

**BEFORE THE
PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA**

DOCKET NO. 2022-1-E

In the Matter of)	
Annual Review of Base Rates for Increase)	DIRECT TESTIMONY OF
in Fuel Costs for Duke Energy Progress,)	DANA M. HARRINGTON FOR
LLC)	DUKE ENERGY PROGRESS, LLC

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Dana M. Harrington, and my business address is 526 South Church Street,
3 Charlotte, North Carolina.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am a Rates Manager supporting both Duke Energy Progress, LLC (“DEP” or the
6 “Company”) and Duke Energy Carolinas, LLC (“DEC”).

7 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND**
8 **PROFESSIONAL EXPERIENCE.**

9 A. I received a Bachelor of Arts degree in Psychology with Honors from the University of
10 North Carolina at Chapel Hill and I am a certified public accountant licensed in the State
11 of North Carolina. I began my accounting career in 2005 with Greer and Walker, LLC as
12 a tax accountant and later a staff auditor. From 2007 until 2010 I was an Accounting
13 Analyst with Duke Energy in the Finance organization. In 2010, I joined the Rates
14 Department as a Lead Accounting Analyst where I spent eight years before being promoted
15 to the position of Rates and Regulatory Strategy Manager. I have served in the Rates
16 Manager capacity since 2019.

17 **Q. HAVE YOU TESTIFIED BEFORE THIS COMMISSION IN ANY PRIOR**
18 **PROCEEDINGS?**

19 A. Yes, I testified in DEP’s 2019, 2020, and 2021 fuel costs proceedings in Docket Nos. 2019-
20 1-E, 2020-1-E, and 2021-1-E, respectively.

21 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

22 A. The purpose of my testimony is to provide DEP’s actual fuel, capacity-related costs
23 including Public Utility Regulatory Policies Act of 1978 (“PURPA”) capacity,

1 environmental, and Distributed Energy Resource Program (“DERP”) cost data for March
2 1, 2021 through February 28, 2022 (the “review period”); the estimated fuel, capacity-
3 related costs, environmental, and DERP cost information for March 1, 2022 through June
4 30, 2022 (the “estimated period”); and DEP’s proposed fuel factors by customer class for
5 July 1, 2022 through June 30, 2023 (the “billing period”). I have provided fourteen exhibits
6 to support my testimony.

7 **Q. WHAT IS THE SOURCE OF THE ACTUAL INFORMATION AND DATA FOR**
8 **THE REVIEW PERIOD?**

9 A. Actual test period kilowatt hour (“kWh”) generation, kilowatt (“kW”) and kWh sales, fuel-
10 related revenues, fuel-related expenses, and DERP revenues and expenses were taken from
11 DEP’s books and records. These books, records, and reports of DEP are subject to review
12 by the appropriate regulatory agencies in the three jurisdictions that regulate DEP’s electric
13 rates.

14 In addition, independent auditors perform an annual audit to provide assurance that,
15 in all material respects, internal accounting controls are operating effectively and DEP’s
16 financial statements are accurate.

17 **Q. WERE ANY CHANGES MADE TO THE TIMING OF THE COMPANY’S**
18 **FORECASTS OF FUEL COSTS USED FOR THIS PROCEEDING?**

19 A. Yes.

20 **Q. WHAT CHANGES WERE MADE AND WHY DID THE COMPANY MAKE**
21 **THESE CHANGES TO ITS FUEL COSTS FORECASTS?**

22 A. Subsequent to DEC filing direct testimony and proposed rates in its 2021 annual fuel costs
23 proceeding in Docket No. 2021-3-E, DEC determined via a subsequent quarterly

1 forecasting model run that there were unexpected increases in fuel commodity prices that
2 were not available to DEC at the time of the initial filing. As a result, DEC filed
3 supplemental direct testimony to provide an update on the changes in the fuel commodity
4 costs and to amend the proposed fuel rates, so that the Company could recover fuel costs
5 on a more timely basis and to prevent a significant under-recovery of fuel costs from
6 existing at the end of the billing period. On September 30, 2021, the Commission issued
7 Order No. 2021-668 instructing DEC to “base its testimony in future fuel dockets on a fuel
8 forecast prepared within thirty days of the prefiling deadline for testimony.... [i]f DEC
9 cannot base its forecasts on such information, then DEC must advise and explain to the
10 Commission why as part of its testimony and the best available forecasting data then should
11 be used.”

12 Having knowledge of the Commission’s guidance to DEC, DEP preemptively
13 complied with Order No. 2021-668 in this proceeding.

14 **Q. WAS THE COMPANY ABLE TO BASE ITS PROPOSED BILLED RATES IN**
15 **THIS DOCKET ON A FORECAST PREPARED WITHIN 30 DAYS OF THE**
16 **DIRECT TESTIMONY PREFILING DEADLINE FOR THIS PROCEEDING?**

17 A. No. The Company was not able to base its proposed billed rates in this docket on a forecast
18 prepared within 30 days of filing direct testimony; however, the Company was able to base
19 its proposed billed rates on a forecast prepared within 42 days of filing direct testimony.
20 The close of business date on the market prices and weighted average cost of inventory
21 supporting the forecasted costs utilized in this proceeding is March 10, 2022. This is an
22 improvement from 103 days, which was the age of the forecast used in the 2021 DEP fuel
23 proceeding. The 103-day old forecast utilized in the 2021 filing was comparable to the age

1 of forecasts used historically in DEP's annual fuel proceedings, since forecasts were
2 traditionally produced on a quarterly basis, significant increases or decreases were atypical
3 from one forecast run to another, and all projected costs are trued up to actual costs on an
4 annual basis.

5 The Company's practice is to produce quarterly forecasts for a litany of internal
6 purposes including corporate planning, budgeting, fuel procurement, and rate-making. The
7 Company's Fuels & Fleet Analytics team produces a monthly commodity volumes model
8 (resulting information in coal tons, oil gallons, gas MBTUs, etc.) for the Fuel Procurement
9 team mid-month each month for subsequent calendar month gas scheduling and coal
10 transportation planning. After a number of internal discussions following the Commission
11 issuance of Order No. 2021-668 in DEC's 2021 fuel costs proceeding, the Company
12 determined that the only way to utilize more recent forecasted data in South Carolina
13 annual fuel rate-making, within the limitations of current staffing resources, was to adopt
14 the timing of the mid-month volumes model currently in place for fuel procurement, then
15 refresh the market prices and weighted average cost of inventory closer to the annual fuel
16 filing deadlines.

17 To comply with the Commission's order, the Fuels & Fleet Analytics team was able
18 to expand its work product from four forecast runs per year to six forecast runs per year,
19 with the additional two cycles timed as close in time to the South Carolina fuel
20 proceedings' direct testimony filing deadlines as possible, by building upon work already
21 performed during the monthly commodity volume modeling to produce projections based
22 on refreshed cost valuations. As a result, the Company was able to utilize a 42-day-old
23 forecast for the rates proposed in this proceeding. The Company was not able to base its

1 proposed rates in this proceeding on a fuels forecast prepared within 30 days of the
2 Company's direct testimony deadline without hiring additional staffing and incurring
3 additional costs, which would eventually increase customer rates. The Company considers
4 utilizing the 42-day old forecast to be the most prudent option for preparing the proposed
5 fuel rates in this proceeding and the best forecasting data available under that most prudent
6 option. Any difference between the forecasted costs used in the proposed rates in this
7 proceeding and the actual costs incurred will be trued up to actual costs in DEP's 2023
8 annual fuel proceeding.

9 **Q. DOES DEP PURCHASE POWER AND HOW ARE THESE COSTS RECORDED?**

10 A. Yes. The Company continuously evaluates purchasing power if it can be reliably procured
11 and delivered at a price that is less than the variable cost of DEP's generation. In
12 accordance with S.C. Code Ann. § 58-27-865(A), from its South Carolina retail customers,
13 DEP recovers an amount that is the lower of the purchase price or DEP's avoided variable
14 cost for generating an equivalent amount of power for its economy purchases. The
15 Company also engages in economy purchases and economy sales with DEC as a result of
16 the Joint Dispatch Agreement ("JDA").

17 The Company also purchases power from certain suppliers that are treated as firm
18 generation capacity purchases. In accordance with S.C. Code Ann. § 58-27-865(A)(2)(a),
19 all amounts paid to these suppliers are requested for cost recovery through the South
20 Carolina fuel clause with the exception of capacity charges.

21 Finally, the Company routinely purchases power from qualifying facilities under
22 PURPA. According to Act 236, set forth in S.C. Code Ann. § 58-27-865(A), the avoided

1 cost payments for such purchases are requested for cost recovery from South Carolina retail
2 customers through the fuel clause.

3 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 1.**

4 A. Harrington Exhibit No. 1 is a summary of DEP's proposed fuel rate components for the
5 billing period. The components are: (1) base fuel costs, (2) capacity-related costs, (3)
6 DERP avoided costs, (4) variable environmental costs, and (5) DERP incremental costs.
7 Harrington Exhibit No. 1 presents proposed fuel rates for residential customers including
8 an amount added to account for the 5% discount provided to residential customers under
9 DEP's South Carolina Residential Service Energy Conservation Discount Rider RECD-
10 2D. As shown on Harrington Exhibit No. 6, this discount impacts approximately 13.9%
11 of DEP's South Carolina residential sales. Exhibit No. 1 fuel rate components are
12 supported by Harrington Exhibit Nos. 2 through 14 and are individually discussed further
13 in this testimony.

14 The following table shows the rates and monthly charges proposed by the Company
15 in this proceeding as reflected on Harrington Exhibit No. 1. The DERP incremental cost
16 component is computed as a dollar amount per customer account since these amounts are
17 subject to per-account cost caps established by Act 236. All other fuel components are
18 computed as a cents per kWh rate or a cents per kW rate depending on the customer class.

19 Act 236 requires that avoided costs, including capacity-related costs of distributed
20 energy resource programs, be tracked separately and allocated among customer classes
21 using the same method that is used to allocate and recover variable environmental costs.

22 In addition, Harrington Exhibit No. 1 includes the billing period per-account charge
23 per month of \$1.00, \$3.26, and \$100.00, including Gross Receipts Taxes and Regulatory

Fees (“GRT”), for South Carolina Residential, Commercial, and Industrial customers, respectively. The monthly DERP incremental per-account charge recovers 100% of the DERP incremental costs, in accordance with S.C. Code Ann. § 58-27-865(A)(1). Act 236 requires that the incremental costs of DERP be allocated among customer classes using the same method that is used to allocate variable environmental costs.

DUKE ENERGY PROGRESS, LLC				Exhibit 1
SOUTH CAROLINA RETAIL FUEL CASE				DOCKET NO. 2022-1-E
CALCULATION OF TOTAL FUEL COMPONENT				
BILLING PERIOD JULY 1, 2022 TO JUNE 30, 2023				
Description	Customer Class			
	Cents / kWh			
	Residential	General Service (non-demand)	Lighting	General Service (demand)
Base Fuel Costs				
Base Fuel Cost Component (Over) / Under Recovered Balance as of June 30, 2022	0.660	0.660	0.660	0.660
Base Fuel Cost Component Projected Billing Period	2.128	2.128	2.128	2.128
Total Base Fuel Cost Component	2.788	2.788	2.788	2.788
Total Base Fuel Cost Component Increased for RECD	2.808			
Capacity Related Cost				
	Cents / kWh			Cents / kW
Capacity Related Cost Component (Over) / Under Recovered Balance as of June 30, 2022	0.085	0.087	0.000	34
Capacity Related Cost Component Projected Billing Period	0.433	0.501	0.000	102
Total Capacity Related Cost Component	0.518	0.588	0.000	136
Total Capacity Related Cost Component Increased for RECD	0.522			
Distributed Energy Resource Program (DERP) Avoided Costs				
	Cents / kWh			Cents / kW
DERP Avoided Cost (Over) / Under Recovered Balance as of June 30, 2022	0.000	0.000	0.000	(1)
DERP Avoided Costs Projected Billing Period	0.003	0.004	0.000	1
Total DERP Avoided Cost Component	0.003	0.004	0.000	0
Total DERP Avoided Cost Component Increased for RECD	0.003			
Environmental Costs				
	Cents / kWh			Cents / kW
Environmental Component (Over) / Under Recovered Balance as of June 30, 2022	0.008	0.010	0.000	3
Environmental Component Projected Billing Period	0.029	0.034	0.000	7
Total Environmental Component	0.037	0.044	0.000	10
Total Environmental Cost Component Increased for RECD	0.037			
Total Fuel Cost Factor - Cents/ kWh	3.370	3.424	2.788	2.788
Total Demand Fuel Cost Factor - Cents/ kW				146

DUKE ENERGY PROGRESS, LLC			Exhibit 1 continued
SOUTH CAROLINA RETAIL FUEL CASE			DOCKET NO. 2022-1-E
CALCULATION OF TOTAL FUEL COMPONENT			
BILLING PERIOD JULY 1, 2022 TO JUNE 30, 2023			
	Dollars		
Distributed Energy Resource Program Incremental Cost per Account	Residential	Commercial	Industrial
DERP Incremental (Over) / Under Recovered Balance as of June 30, 2022			
Annual Charge	\$ 1.40	\$ 4.37	\$ 358.98
Monthly Charge	\$ 0.12	\$ 0.36	\$ 29.92
DERP Incremental Projected Billing Period			
Annual Charge	\$ 10.98	\$ 34.53	\$ 2,824.42
Monthly Charge	\$ 0.92	\$ 2.88	\$ 235.37
Total DERP Annual Charge - Excluding GRT	\$ 11.94	\$ 38.90	\$ 1,193.76
Total DERP Monthly Charge - Excluding GRT	\$ 0.99	\$ 3.24	\$ 99.48
Total DERP Annual Charge - Including GRT	\$ 12.00	\$ 39.10	\$ 1,200.00
Total DERP Monthly Charge - Including GRT	\$ 1.00	\$ 3.26	\$ 100.00

Q. HOW DID DEP'S FUEL REVENUE BILLINGS COMPARE TO THE FUEL COSTS INCURRED DURING THE MARCH 2021 TO JUNE 2022 TIME PERIOD?

A. Harrington Exhibit No. 2 is a monthly comparison of fuel revenues collected from SC retail customers to the actual and estimated jurisdictional fuel costs attributable to those sales by month. The Company currently estimates that its deferred base fuel cost balance will be an under-collection of approximately \$40.7 million at June 30, 2022.

Harrington Exhibit No. 2 contains a SC retail adjustment of \$644,899 in the month of March 2021. This adjustment was addressed in prior year Docket No. 2021-1-E and corrects the pricing applied to joint dispatch transfers of solar generation from DEP to DEC via the JDA for the months of September 2020 through March 2021. As stated in my prior year direct testimony, in preparation for the rollout of additional solar facilities, a new dataset was programmed into the JDA software using a placeholder price. Once transfers of energy under this dataset occurred, the placeholder price was inadvertently not updated to the appropriate price, resulting in an overstatement of revenue from JDA sales. This

1 amount was factored into customer rates in the prior year estimate of costs; however, it is
2 remitted in this docket under actual period costs.

3 Harrington Exhibit No. 2 also contains a SC retail adjustment of (\$25,029) in the
4 month of June 2021. In July 2021, the Company discovered that due to billing system
5 complexity for real-time pricing, one DEP North Carolina Large General Service – Real-
6 Time Pricing (“LGS-RTP”) customer’s kWh usage for the months of June 2020 through
7 June 2021 was not recognized on system-generated kWh sales reports. Cost allocations
8 based on kWh sales for those months were recalculated and the appropriate share of system
9 costs to be allocated to South Carolina Retail was determined for those months and trued
10 up via a prior period adjustment on the June 2021 Monthly Fuel Report.

11 Finally, Harrington Exhibit No. 2 contains two prior period adjustments in the
12 month of February 2022. The first is a test period net true-up of DERP net energy metering
13 (“NEM”) marginal fuel costs and benefits, including the impact of revised DERP NEM
14 kWhs. The second was removal of South Carolina’s share of total delivered costs on
15 economy purchases of electric power in excess of DEP’s avoided variable costs for the
16 generation of an equivalent quantity of electric power in accordance with S.C. Code Ann.
17 § 58-27-865(A)(2)(b) of the South Carolina fuel statute. The SC retail share of the DERP
18 NEM marginal fuel costs and benefits net true-up was an adjustment of \$6,776 and the
19 adjustment to remove costs associated with economy purchases in excess of avoided costs
20 was (\$304).

21 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 3.**

22 A. Harrington Exhibit No. 3 presents DEP’s proposed base fuel rate of 2.128¢/kWh for the
23 billing period to recover South Carolina’s retail share of approximately \$1.3 billion of

1 projected system fuel expense. The South Carolina retail share of approximately \$131.1
2 million incorporates approximately \$763,000 of net metering avoided fuel benefits
3 assigned fully to SC retail customers.

4 The fuel forecast supporting the projected fuel cost was generated by an hourly
5 dispatch model that considers the latest forecasted fuel prices, planned maintenance and
6 scheduled refueling outages at the generating plants, forced outages derived from historical
7 trends, generating unit performance parameters, and expected market conditions associated
8 with power purchases and off-system sales opportunities. In addition, the forecasting
9 model reflects the joint dispatch of the combined power supply resources of DEC and DEP.

10 **Q. PLEASE PROVIDE A STATUS UPDATE OF ENVIRONMENTAL COSTS**
11 **COLLECTION.**

12 A. During the review period, DEP recovered variable environmental costs and the costs of
13 emission allowances through the environmental component of the fuel rate. Environmental
14 costs allocated to the South Carolina retail jurisdiction during the review period were
15 approximately \$1.4 million, as shown on Harrington Exhibit 4. Correction of
16 environmental cost allocations made to South Carolina retail customers for the missing
17 DEP NC LGS-RTP kWh sales previously discussed produced the (\$246) adjustment seen
18 on Exhibit 4 in the month of June 2021. The Company currently estimates that its deferred
19 environmental cost balance will be an under-collection of approximately \$438,000 at June
20 30, 2022.

21 **Q. HAVE YOU PROVIDED A FORECAST OF ENVIRONMENTAL COSTS?**

1 A. Yes. Harrington Exhibit No. 5 presents DEP's projected system environmental costs for
2 the billing period of approximately \$13.4 million. The South Carolina retail portion is
3 projected to be approximately \$1.3 million.

4 **Q. PLEASE DESCRIBE EMISSION-REDUCING CHEMICALS THAT DEP**
5 **INCLUDED IN THE PROPOSED FUEL RATE IN THIS FILING.**

6 A. As Company Witness Walsh explains more specifically in his testimony, DEP uses
7 emission-reducing chemicals at its fossil/hydro plants to help provide low cost, reliable
8 electric generation for its customers while complying with state and federal environmental
9 control obligations. As a result, DEP has included the cost of magnesium hydroxide,
10 calcium carbonate, ammonia, limestone, lime, and hydrated lime incurred during the
11 review period in its fuel cost recovery application. Mercury and Air Toxics Standards
12 ("MATS") chemicals that DEP may use in the future to reduce emissions include, but may
13 not be limited to, activated carbon, mercury oxidation chemicals, and mercury re-emission
14 prevention chemicals.

15 **Q. HOW DID DEP ALLOCATE ENVIRONMENTAL COSTS?**

16 A. DEP allocated the South Carolina retail portion of environmental costs to Residential,
17 General Service (non-demand), and General Service (demand) rate classes based upon the
18 firm coincident peak demand of each class for the prior year. The 2020 firm coincident
19 peak demand was used to allocate costs for the period of March 2021 – December 2021
20 and the 2021 firm coincident peak demand was used to allocate costs for the period of
21 January 2022 – June 2023. This allocation is shown on Harrington Exhibit Nos. 4 and 5.

22 The total cost allocated to each class was divided by projected sales to arrive at a
23 cents per kWh rate for Residential and General Service (non-demand) rate schedules or a

1 cents per kW rate for General Service (demand) rate schedules. Allocations were
2 consistent with the methodology approved by this Commission in Order No. 2007-440,
3 issued in DEP's 2007 fuel review proceeding. This methodology has been consistently
4 used in each fuel case since the issuance of the 2007 Order.

5 **Q. PLEASE PROVIDE A STATUS UPDATE OF CAPACITY-RELATED COSTS**
6 **COLLECTION.**

7 A. During the review period, DEP recovered capacity-related costs, including PURPA
8 purchased power capacity costs and natural gas transportation (pipeline reservation/lease
9 costs) and storage costs through the capacity-related component of the fuel rate. Capacity-
10 related costs allocated to the South Carolina retail jurisdiction during the review period
11 were approximately \$22.6 million, as shown on Harrington Exhibit No. 7. Correction of
12 capacity-related cost allocations made to South Carolina retail customers for the missing
13 DEP NC LGS-RTP kWh sales previously discussed produced the (\$4,842) adjustment seen
14 on Exhibit No. 7 in the month of June 2021. The Company currently estimates that its
15 deferred capacity-related cost balance will be an under-collection of approximately \$5.0
16 million at June 30, 2022.

17 **Q. HAVE YOU PROVIDED A FORECAST OF CAPACITY-RELATED COSTS?**

18 A. Yes. Harrington Exhibit No. 8 presents DEP's projected system capacity-related costs,
19 including PURPA purchased power capacity costs, natural gas transportation (pipeline
20 reservation/lease costs), and natural gas storage costs, for the billing period of
21 approximately \$194.5 million. The South Carolina retail portion is projected to be
22 approximately \$19.4 million.

23 **Q. HOW DID DEP ALLOCATE CAPACITY-RELATED COSTS?**

1 A. DEP allocated the South Carolina retail portion of capacity-related costs to the Residential,
2 General Service (non-demand), and General Service (demand) rate classes based upon the
3 firm coincident peak demand of each class for the prior year. The 2020 firm coincident
4 peak demand was used to allocate costs for the period of March 2021 – December 2021
5 and the 2021 firm coincident peak demand was used to allocate costs for the period of
6 January 2022 – June 2023. This allocation is shown on Harrington Exhibit Nos. 7 and 8.

7 The total cost allocated to each class was divided by projected sales to arrive at a
8 cents per kWh rate or cents per kW rate depending on the customer class. Allocations were
9 consistent with the methodology approved by this Commission in Order No. 2015-843,
10 issued in DEP's 2015 fuel review proceeding. This methodology has been consistently
11 used in each fuel case since the issuance of the 2015 Order.

12 **Q. WHAT DERP INCREMENTAL COSTS ARE INCLUDED IN THIS FILING?**

13 A. S.C. Code Ann. § 58-39-140(A) defines “incremental costs” as all reasonable and prudent
14 costs incurred by an electrical utility to implement a distributed energy resource program.
15 This filing includes the following categories of incremental costs:

- 16 • Costs associated with purchase power agreements in excess of the Company's
17 avoided cost rate, including those serving the purchased power needs of the Shared
18 Solar program;
- 19 • The DERP NEM Incentive, which is a credit available to eligible NEM customer-
20 generators, as approved in Docket No. 2014-246-E and modified in Docket No.
21 2019-182-E;
- 22 • Amortization of solar rebate balances given to South Carolina residential and non-
23 residential customers to invest in or lease distributed generation;

- 1 • Carrying costs on unamortized solar rebate balances;
- 2 • An incentive utilized to lower the subscription charge customers pay to participate
- 3 in the Shared Solar program;
- 4 • Avoided capacity costs and administrative costs associated with NEM, recoverable
- 5 as an incremental cost based on S.C. Code Ann. § 58-40-20(F)(6);
- 6 • General and administrative costs, which include the cost of developing and
- 7 implementing programs, incremental labor, and additional revenue-grade meters;
- 8 and
- 9 • Carrying costs on under-collected balances due to per-account cost caps.

10 **Q. DID COMMISSION ORDER NO. 2021-569 ISSUED IN DOCKET NO. 2019-182-E**
 11 **HAVE AN IMPACT ON THE ACTUAL OR PROJECTED DERP INCREMENTAL**
 12 **COSTS IN THIS PROCEEDING?**

13 A. Yes, Commission Order No. 2021-569 had an impact on the actual and projected DERP
 14 incremental costs in this proceeding.

15 On June 30, 2021, the Commission issued Order No. 2021-446 in Docket No. 2021-
 16 1-E, which directed that “[u]pon the issuance of the Commission’s final order in the generic
 17 docket regarding NEM (Docket No. 2019-182-E), DEP shall recalculate the DER incentive
 18 and other components which may change as a result of that order. DEP shall file its
 19 recalculations with the Commission within thirty (30) days of the issuance of the final order
 20 ...”

21 On August 19, 2021, the Commission issued Order No. 2021-569 in Docket No.
 22 2019-182-E, and on September 20, 2021, the Company complied with Commission Order
 23 No. 2021-446 to recalculate and file DEP’s updated Value of Net Energy Metering

1 Distributed Energy Resource by Component in accordance with the Commission's order,
2 which is discussed in more detail in the testimony of Company Witness Martin.

3 Effective August 19, 2021, DEP's DERP net metering indirect costs have been
4 based on the revised valuation of solar generation. Likewise, DEP's DERP net metering
5 indirect costs projected for the billing period have been determined based on updated solar
6 values proposed in this docket by Company Witness Martin, in compliance with Order No.
7 2021-569.

8 **Q. PLEASE PROVIDE A STATUS UPDATE OF DERP INCREMENTAL COSTS**
9 **COLLECTION.**

10 A. During the review period, DEP recovered DERP incremental costs, offset by any revenues
11 collected from program participants, through the DERP incremental cost per account
12 charge. Review period DERP incremental costs were approximately \$3.7 million, as
13 shown on Harrington Exhibit No. 9. A test period true-up of DERP NEM indirect costs
14 produced the need for the (\$39,889) adjustment seen on Exhibit 9 in the month of February
15 2022. The Company currently estimates that its deferred DERP incremental cost balance
16 will be an under-collection of approximately \$439,000 at June 30, 2022.

17 **Q. HOW DID DEP ALLOCATE DERP INCREMENTAL COSTS?**

18 A. DEP allocated 100% of DERP incremental costs to South Carolina Residential,
19 Commercial, and Industrial rate classes based upon the firm coincident peak demand of
20 each class for the prior year. The 2020 firm coincident peak demand was used to allocate
21 costs for the period of March 2021 – December 2021 and the 2021 firm coincident peak
22 demand was used to allocate costs for the period of January 2022 – June 2023. This
23 allocation is shown on Harrington Exhibit Nos. 10 and 12. Each class's allocated portion

1 of incremental costs were divided by the number of accounts subject to the DERP per-
2 account charge in each class. This method results in an annual dollar per-account charge
3 which is billed as a separate fixed monthly component of the fuel factor by customer class.
4 Allocations were consistent with the methodology approved by this Commission in Order
5 No. 2015-843, issued in DEP's 2015 fuel review proceeding. This methodology has been
6 consistently used in each fuel case since the issuance of the 2015 Order.

7 One exception to this approach is the allocation of the avoided capacity costs
8 associated with NEM that is included in the DERP incremental costs. This particular
9 incremental cost has been allocated to the South Carolina retail jurisdiction based on its
10 pro rata share of system peak demand, rather than 100%. This DERP incremental cost is
11 related to system generation supply resources. Costs and benefits associated with system
12 generation supply resources are traditionally allocated among all the Company's rate
13 jurisdictions since such generation supply resources are operated as a portfolio to serve its
14 native load customers in all rate jurisdictions. The South Carolina retail share of system
15 peak demand decreased from 9.3% to 9.0% between calendar years 2020 and 2021,
16 respectively.

17 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 10.**

18 A. Harrington Exhibit No. 10 presents the estimated deferred DERP incremental cost under-
19 collection at June 30, 2022 as a billing period monthly per-account increment of \$0.12,
20 \$0.36, and \$29.92, excluding GRT, for South Carolina Residential, Commercial, and
21 Industrial customers, respectively.

22 **Q. HAVE YOU PROVIDED A FORECAST OF DERP INCREMENTAL COSTS?**

1 A. Yes. Harrington Exhibit No. 11 itemizes DEP's projected DERP incremental costs by cost
2 type and month for the billing period. Total DERP incremental costs are projected to be
3 approximately \$3.5 million.

4 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 12.**

5 A. Harrington Exhibit No. 12 presents the projected DERP incremental costs for the billing
6 period as a billing period monthly per-account increment of \$0.92, \$2.88, and \$235.37,
7 excluding GRT, for South Carolina Residential, Commercial, and Industrial customers,
8 respectively. Proposed rates are subject to per-account cost caps.

9 **Q. HOW DOES THE COMPANY TREAT UNDER-COLLECTED DERP**
10 **INCREMENTAL COSTS RESULTING FROM REACHING THE PER-ACCOUNT**
11 **COST CAP?**

12 A. Consistent with Docket No. 2015-53-E, Order No. 2015-514, the Company reallocates
13 under-collected DERP incremental costs in excess of the per-account cost caps among all
14 customer classes with carrying costs applied at the three-year treasury rate plus 65 basis
15 points. Interest calculated on the monthly under-collected balance is shown as a separate
16 incremental cost on Harrington Exhibit Nos. 9 and 11.

17 **Q. HAVE ANY CUSTOMER CLASSES REACHED THE DERP PER-ACCOUNT**
18 **CAP IN THIS FILING?**

19 A. Yes. The Residential and Industrial customer classes reached the per-account cap. As a
20 result, for the billing period, proposed DERP incremental rates are limited to a monthly
21 per-account charge of \$1.00 for Residential customers and \$100.00 for Industrial
22 customers, including GRT.

23 **Q. WHAT DERP AVOIDED COSTS ARE INCLUDED IN THIS FILING?**

1 A. All DERP avoided costs included in this filing are related to third party purchases. The
2 DERP avoided costs in this filing refer to energy and capacity costs the utility avoids when
3 buying power from a third party rather than generating the power itself. S.C. Code Ann. §
4 58-39-140(A)(1) states that “avoided cost,” as defined for the purpose of differentiating
5 DERP program costs between incremental costs and avoided costs, includes “all costs paid
6 under avoided cost rates, or negotiated rates pursuant to PURPA, whichever is lower.” Any
7 amounts above avoided cost or above negotiated rates pursuant to PURPA from DERP
8 third party purchases are treated as DERP incremental costs in this filing.

9 **Q. PLEASE PROVIDE A STATUS UPDATE OF DERP AVOIDED COSTS**
10 **COLLECTION.**

11 A. During the review period, DEP recovered the DERP avoided costs of third-party purchases,
12 including the portion serving the purchased power needs of the Shared Solar program,
13 through the DERP avoided cost component of the fuel rate. As shown on Harrington
14 Exhibit No. 13, system DERP avoided costs during the review period were approximately
15 \$1.3 million, of which approximately \$126,000 has been allocated to the South Carolina
16 retail jurisdiction. Correction of DERP avoided cost allocations made to SC retail
17 customers for the missing DEP NC LGS-RTP kWh sales previously discussed produced
18 the (\$29) adjustment seen on Exhibit 13 in the month of June 2021. The Company
19 currently estimates that its South Carolina deferred DERP avoided cost balance will be an
20 over-collection of approximately \$54,000 at June 30, 2022.

21 **Q. HOW DID DEP ALLOCATE DERP AVOIDED COSTS?**

22 A. DEP allocated DERP avoided costs based on the same method used by the utility to allocate
23 and recover variable environmental costs. As such, DEP allocated the South Carolina retail

1 portion of DERP avoided costs to Residential, General Service (non-demand), General
2 Service (demand), and Lighting rate classes based upon the firm coincident peak demand
3 of each class for the prior year. The 2020 firm coincident peak demand was used to allocate
4 costs for the period of March 2021 – December 2021 and the 2021 firm coincident peak
5 demand was used to allocate costs for the period of January 2022 – June 2023.

6 The total cost allocated to each class was divided by projected sales to arrive at a
7 cents per kWh rate or cents per kW rate, depending on the customer class. This allocation
8 is shown on Harrington Exhibit Nos. 13 and 14. Allocations were consistent with the
9 methodology approved by this Commission in Order No. 2015-843, issued in DEP's 2015
10 annual fuel costs proceeding. This methodology has been consistently used in each fuel
11 case since the issuance of the 2015 Order.

12 **Q. HAVE YOU PROVIDED A FORECAST OF DERP AVOIDED COSTS?**

13 A. Yes. Harrington Exhibit No. 14 provides DEP's projected system DERP avoided costs for
14 the billing period of approximately \$1.4 million. The South Carolina retail portion is
15 projected to be approximately \$137,000.

16 **Q. DO YOU BELIEVE DEP'S ACTUAL FUEL COSTS INCURRED DURING THE**
17 **REVIEW PERIOD WERE REASONABLE?**

18 A. Yes. I believe the costs were reasonable and that DEP has demonstrated that it has met the
19 criteria set forth in S.C. Code Ann. § 58-27-865. These costs also reflect DEP's continuing
20 efforts to maintain reliable service and an economic generation mix, thereby minimizing
21 the total cost of providing service to DEP's South Carolina retail customers.

22 **Q. DO YOU BELIEVE DEP'S ACTUAL DERP COSTS INCURRED DURING THE**
23 **PERIOD WERE REASONABLE?**

1 A. Yes. I also believe that the DERP costs were reasonable, and that DEP has demonstrated
2 that it met the criteria set forth in S.C. Code Ann. § 58-39-130(A)(2).

3 **Q. WHAT ARE THE KEY DRIVERS IMPACTING THE PROPOSED FUEL**
4 **FACTOR?**

5 A. A number of factors contribute to the change in the proposed total fuel factor for all
6 customer classes. Total fuel rates computed on a cents per kWh basis for the billing period
7 are increasing from the rates currently being billed but total fuel rates computed on a cents
8 per kW basis are decreasing. Differences in customer class impacts stem from each
9 customer class contribution to actual or projected kWh sales or to firm coincident peak in
10 calendar years 2020 and 2021.

11 The approximate \$32.0 million increase in the total under-collection balance
12 estimated at June 30, 2022 from the estimated under-collection balance at June 30, 2021 is
13 driven primarily by increasing natural gas prices. For the billing period, the drivers
14 propelling the fuel rate increase include: the rising cost of natural gas, the increased cost of
15 market power purchases, and a 1.5% increase in volumes, which will require the
16 dispatching of more expensive generating units as DEP and DEC dispatch generating units
17 in economic order on a combined basis.

18 **Q. INCLUDING THE DERP INCREMENTAL PER-ACCOUNT CHARGES, WHAT**
19 **IS THE IMPACT TO CUSTOMERS' BILLS IF THE PROPOSED FUEL COST,**
20 **CAPACITY-RELATED COST, DERP AVOIDED COST, AND**
21 **ENVIRONMENTAL COST FACTORS ARE APPROVED BY THE**
22 **COMMISSION?**

1 A. The impact of all components of this filing to customers' monthly bills on an average
2 Residential customer using 1,000 kWh per month is an increase of \$10.15, or 8.3 percent.
3 The increase to the average monthly bill of General Service Non-demand customers is 6.8
4 percent. The increase to the average monthly bill of General Service Demand customers
5 is 11.9 percent, and the increase to the average monthly bill of Lighting customers is 3.6
6 percent.

7 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

8 A. Yes, it does.

**DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF TOTAL FUEL COMPONENT
BILLING PERIOD JULY 1, 2022 TO JUNE 30, 2023**

**Exhibit 1
DOCKET NO. 2022-1-E**

			Customer Class			
Line No.	Description	Reference	Cents / kWh			
			Residential	General Service (non-demand)	Lighting	General Service (demand)
Base Fuel Costs						
1	Base Fuel Cost Component (Over) / Under Recovered Balance as of June 30, 2022	Exhibit 2	0.660	0.660	0.660	0.660
2	Base Fuel Cost Component Projected Billing Period	Exhibit 3	2.128	2.128	2.128	2.128
3	Total Base Fuel Cost Component	Line 1 + Line 2	2.788	2.788	2.788	2.788
4	Total Base Fuel Cost Component Increased for RECD	Line 3 / (1-RECD factor)	2.808	[1]		
Capacity Related Cost						
5	Capacity Related Cost Component (Over) / Under Recovered Balance as of June 30, 2022	Exhibit 7	0.085	0.087	0.000	34
6	Capacity Related Cost Component Projected Billing Period	Exhibit 8	0.433	0.501	0.000	102
7	Total Capacity Related Cost Component	Line 5 + 6	0.518	0.588	0.000	136
8	Total Capacity Related Cost Component Increased for RECD	Line 7 / (1- RECD factor)	0.522	[1]		
Distributed Energy Resource Program (DERP) Avoided Costs						
9	DERP Avoided Cost (Over) / Under Recovered Balance as of June 30, 2022	Exhibit 13	0.000	0.000	0.000	(1)
10	DERP Avoided Costs Projected Billing Period	Exhibit 14	0.003	0.004	0.000	1
11	Total DERP Avoided Cost Component	Line 9 + 10	0.003	0.004	0.000	0
12	Total DERP Avoided Cost Component Increased for RECD	Line 11 / (1- RECD factor)	0.003	[1]		
Environmental Costs						
13	Environmental Component (Over) / Under Recovered Balance as of June 30, 2022	Exhibit 4	0.008	0.010	0.000	3
14	Environmental Component Projected Billing Period	Exhibit 5	0.029	0.034	0.000	7
15	Total Environmental Component	Line 13 + 14	0.037	0.044	0.000	10
16	Total Environmental Cost Component Increased for RECD	Line 15 / (1- RECD factor)	0.037	[1]		
17	Total Fuel Cost Factor - Cents/ kWh [2]	Line 4 + Line 8 + Line 12 + Line 16	3.370	3.424	2.788	2.788
18	Total Demand Fuel Cost Factor - Cents/ kW [2]	Line 7 + Line 11 + Line 15				146
			Dollars			
			Residential	Commercial	Industrial	
Distributed Energy Resource Program Incremental Cost per Account						
DERP Incremental (Over) / Under Recovered Balance as of June 30, 2022						
19	Annual Charge	Exhibit 10	\$ 1.40	\$ 4.37	\$	358.98
20	Monthly Charge	Exhibit 10	\$ 0.12	\$ 0.36	\$	29.92
DERP Incremental Projected Billing Period						
21	Annual Charge	Exhibit 12	\$ 10.98	\$ 34.53	\$	2,824.42
22	Monthly Charge	Exhibit 12	\$ 0.92	\$ 2.88	\$	235.37
23	Total DERP Annual Charge - Excluding GRT	Line 19 + Line 21	\$ 11.94	\$ 38.90	\$	1,193.76
24	Total DERP Monthly Charge - Excluding GRT	Line 20 + Line 22	\$ 0.99	\$ 3.24	\$	99.48
25	Total DERP Annual Charge -Including GRT	Line 19 + Line 21 / (1-tax rate)	\$ 12.00	\$ 39.10	\$	1,200.00
26	Total DERP Monthly Charge - Including GRT	Line 20 + Line 22 / (1-tax rate)	\$ 1.00	\$ 3.26	\$	100.00

Notes:

[1] RECD factor is 0.6956% and is calculated on Exhibit 6.

[2] The Fuel Cost Factors and Demand Fuel Cost Factor does not include Gross Receipts Taxes or Regulatory Fees ("GRT").

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
1	Coal	Monthly Fuel Filings	\$ 11,846,384	\$ 4,003,411	\$ 22,053,938	\$ 34,966,271	\$ 38,506,396	\$ 36,268,139
2	Gas	Monthly Fuel Filings	35,883,737	26,698,785	29,406,706	43,522,798	58,652,317	65,228,378
3	Nuclear Fuel	Monthly Fuel Filings	12,487,630	13,252,642	12,131,722	14,951,104	16,066,386	16,027,295
4	Purchased Power	Monthly Fuel Filings	28,752,571	38,794,600	48,511,907	35,542,600	44,403,730	49,455,037
5	Fuel Expense Recovered Through Intersystem Sales	Monthly Fuel Filings	(6,478,685)	(6,435,789)	(6,054,124)	(18,575,504)	(24,748,368)	(20,928,275)
6	Total Fuel Costs	Sum Lines 1:5	\$ 82,491,637	\$ 76,313,649	\$ 106,050,149	\$ 110,407,269	\$ 132,880,461	\$ 146,050,574
7	Eliminate Avoided Fuel Benefit of SC NEM	Monthly Fuel Filings	58,297	58,547	60,529	64,507	63,800	65,127
8	Adjusted System Fuel Costs	Line 6 + Line 7	\$ 82,549,934	\$ 76,372,196	\$ 106,110,678	\$ 110,471,776	\$ 132,944,261	\$ 146,115,701
9	Total System kWh Sales (w/ solar)	Monthly Fuel Filings	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145
10	Eliminate NEM Solar Generation kWh	Monthly Fuel Filings	2,576,658	2,587,832	2,675,401	2,851,214	2,824,934	2,889,187
11	Adjusted Projected System kWh Sales (w/o solar)	Line 9 + Line 10	4,801,963,464	4,363,135,369	4,284,772,587	5,029,615,424	5,999,388,749	6,127,765,332
12	System Cost per kWh (c/kWh)	Line 8 / Line 11 * 100	1.719	1.750	2.476	2.196	2.216	2.384
13	Actual/ Projected SC Retail Sales kWh (w/ solar)	Monthly Fuel Filings	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614
14	Eliminate the NEM impact kWh	Line 10	2,576,658	2,587,832	2,675,401	2,851,214	2,824,934	2,889,187
15	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Line 13 + Line 14	498,431,300	464,425,329	428,430,195	500,380,690	557,057,262	624,486,801
16	SC Base Fuel Costs	Line 12 * Line 15 / 100	\$ 8,568,468	\$ 8,129,288	\$ 10,609,902	\$ 10,990,491	\$ 12,344,185	\$ 14,890,800
17	Assign 100% of Avoided Fuel Benefit of SC NEM	Line 7, opposite sign	(58,297)	(58,547)	(60,529)	(64,507)	(63,800)	(65,127)
18	Adjusted SC Base Fuel Costs	Line 16 + Line 17	\$ 8,510,171	\$ 8,070,741	\$ 10,549,373	\$ 10,925,984	\$ 12,280,385	\$ 14,825,673
19	Adjusted SC Cost per kWh (c/kWh)	Line 18 / Line 15 * 100	1.707	1.738	2.462	2.184	2.205	2.374
20	Fuel Costs Collected	Monthly Fuel Filings	\$ 9,358,899	\$ 8,715,487	\$ 8,033,894	\$ 9,388,541	\$ 10,428,673	\$ 11,648,134
21	Fuel Benefits Given in DER NEM incentive	Monthly Fuel Filings	3,975	6,175	5,476	6,272	2,386	2,529
22	Adjusted Fuel Costs Collected	Line 20 + Line 21	\$ 9,362,874	\$ 8,721,662	\$ 8,039,370	\$ 9,394,813	\$ 10,431,059	\$ 11,650,663
23	Current Month (Over) / Under Recovered Balance	Line 18 - Line 22	\$ (852,703)	\$ (650,921)	\$ 2,510,004	\$ 1,531,171	\$ 1,849,327	\$ 3,175,010
24	Prior Year Balance and Adjustments	2021-1-E	11,536,902			(25,029)		
25	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 23 + Line 24	\$ 10,684,199	\$ 10,033,278	\$ 12,543,282	\$ 14,049,424	\$ 15,898,751	\$ 19,073,760

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 2
Page 2 of 3
DOCKET NO. 2022-1-E

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
26	Coal	Monthly Fuel Filings	\$ 14,662,676	\$ 6,707,759	\$ 2,388,069	\$ 6,252,441	\$ 37,323,911	\$ 18,175,078	\$ 233,154,473
27	Gas	Monthly Fuel Filings	43,504,765	54,604,231	84,809,308	92,290,299	139,870,090	99,957,448	774,428,864
28	Nuclear Fuel	Monthly Fuel Filings	15,497,718	14,608,188	15,302,253	15,823,340	15,532,488	13,585,255	175,266,021
29	Purchased Power	Monthly Fuel Filings	39,419,770	41,634,426	35,372,549	33,887,001	53,585,729	33,646,947	483,006,867
30	Fuel Expense Recovered Through Intersystem Sales	Monthly Fuel Filings	(19,180,028)	(26,959,630)	(23,350,280)	(23,876,533)	(31,495,579)	(37,800,062)	(245,882,857)
31	Total Fuel Costs	Sum Lines 26:30	\$ 93,904,901	\$ 90,594,974	\$ 114,521,899	\$ 124,376,548	\$ 214,816,639	\$ 127,564,666	\$ 1,419,973,366
32	Eliminate Avoided Fuel Benefit of SC NEM	Monthly Fuel Filings	66,494	68,077	65,102	65,163	65,163	65,163	765,969
33	Adjusted System Fuel Costs	Line 31 + Line 32	\$ 93,971,395	\$ 90,663,051	\$ 114,587,001	\$ 124,441,711	\$ 214,881,802	\$ 127,629,829	\$ 1,420,739,335
34	Total System kWh Sales (w/ solar)	Monthly Fuel Filings	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
35	Eliminate NEM Solar Generation kWh	Monthly Fuel Filings	2,949,843	3,020,045	2,888,050	2,890,724	2,890,724	2,890,724	33,935,333
36	Adjusted Projected System kWh Sales (w/o solar)	Line 34 + Line 35	5,650,477,216	4,575,984,417	3,407,825,923	4,526,581,544	5,650,652,656	6,057,588,355	60,475,751,037
37	System Cost per kWh (c/kWh)	Line 33 / Line 36 * 100	1.663	1.981	3.362	2.749	3.803	2.107	
38	Actual/ Projected SC Retail Sales kWh (w/ solar)	Monthly Fuel Filings	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
39	Eliminate the NEM impact kWh	Line 35	2,949,843	3,020,045	2,888,050	2,890,724	2,890,724	2,890,724	33,935,333
40	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Line 38 + Line 39	534,885,601	472,057,829	271,510,760	414,134,348	474,010,064	668,051,253	5,907,861,432
41	SC Base Fuel Costs	Line 37 * Line 40 / 100	\$ 8,895,522	\$ 9,352,785	\$ 9,129,458	\$ 11,385,100	\$ 18,025,553	\$ 14,075,448	\$ 136,397,000
42	Assign 100% of Avoided Fuel Benefit of SC NEM	Line 32, opposite sign	(66,494)	(68,077)	(65,102)	(65,163)	(65,163)	(65,163)	(765,969)
43	Adjusted SC Base Fuel Costs	Line 41 + Line 42	\$ 8,829,028	\$ 9,284,708	\$ 9,064,356	\$ 11,319,937	\$ 17,960,390	\$ 14,010,285	\$ 135,631,031
44	Adjusted SC Cost per kWh (c/kWh)	Line 43 / Line 40 * 100	1.651	1.967	3.338	2.733	3.789	2.097	
45	Fuel Costs Collected	Monthly Fuel Filings	\$ 9,967,428	\$ 8,788,583	\$ 5,033,835	\$ 7,707,827	\$ 8,829,556	\$ 12,466,411	\$ 110,367,268
46	Fuel Benefits Given in DER NEM incentive	Monthly Fuel Filings	(1,553)	(1,646)	(2,081)	(2,076)	(2,076)	(2,077)	15,303
47	Adjusted Fuel Costs Collected	Line 44 + Line 45	\$ 9,965,875	\$ 8,786,937	\$ 5,031,754	\$ 7,705,751	\$ 8,827,480	\$ 12,464,334	\$ 110,382,571
48	Current Month (Over) / Under Recovered Balance	Line 43 - Line 47	\$ (1,136,847)	\$ 497,771	\$ 4,032,602	\$ 3,614,186	\$ 9,132,910	\$ 1,545,951	\$ 25,248,462
49	Prior Year Balance and Adjustments	2021-1-E						6,472	11,518,349
50	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 48 + Line 49	\$ 17,936,913	\$ 18,434,684	\$ 22,467,287	\$ 26,081,473	\$ 35,214,383	\$ 36,766,806	\$ 36,766,806

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 2
Page 3 of 3
DOCKET NO. 2022-1-E

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
51	Coal		\$ 5,864,577	\$ 9,116,747	\$ 2,148,789	\$ 8,307,295	\$ 258,591,881
52	Gas		60,207,872	36,742,722	39,955,554	63,144,183	974,479,193
53	Nuclear Fuel		11,919,014	13,857,356	15,378,627	15,082,985	231,504,003
54	Purchased Power		32,256,582	40,139,046	50,343,132	47,827,726	653,573,354
55	Fuel Expense Recovered Through Intersystem Sales		(20,949,072)	(12,720,664)	(8,727,221)	(13,326,770)	(301,606,584)
56	Total Fuel Costs	Sum Lines 51:55	\$ 89,298,973	\$ 87,135,207	\$ 99,098,881	\$ 121,035,419	\$ 1,816,541,847
57	Eliminate Avoided Fuel Benefit of SC NEM		64,066	64,046	64,026	64,006	1,022,113
58	Adjusted System Fuel Costs	Line 56 + Line 57	\$ 89,363,040	\$ 87,199,253	\$ 99,162,907	\$ 121,099,425	\$ 1,817,563,960
59	Total System kWh Sales (w/ solar)		4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
60	Eliminate NEM Solar Generation kWh		2,842,041	2,841,133	2,840,254	2,839,346	45,298,108
61	Adjusted Estimated System kWh Sales (w/o solar)	Line 59 + Line 60	4,869,074,133	4,510,573,225	4,443,183,627	5,237,320,710	79,535,902,733
62	System Cost per kWh (¢/kWh)	Line 58 / Line 61 * 100	1.835	1.933	2.232	2.312	2.285
63	Estimated SC Retail Sales kWh (w/ solar)		494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
64	Eliminate the NEM impact kWh		2,842,041	2,841,133	2,840,254	2,839,346	45,298,108
65	Adjusted Estimated SC Retail Sales kWh (w/o solar)	Line 63 + Line 64	497,420,967	483,757,857	456,607,868	507,676,920	7,853,325,044
66	SC Base Fuel Costs	Line 62 * Line 65 / 100	\$ 9,129,261	\$ 9,352,098	\$ 10,190,568	\$ 11,738,709	\$ 176,807,636
67	Assign 100% of Avoided Fuel Benefit of SC NEM	Line 57, opposite sign	(64,066)	(64,046)	(64,026)	(64,006)	(1,022,113)
68	Adjusted SC Base Fuel Costs	Line 66 + Line 67	\$ 9,065,195	\$ 9,288,052	\$ 10,126,542	\$ 11,674,703	\$ 175,785,523
69	Adjusted SC Cost per kWh (¢/kWh)	Line 68 / Line 65 * 100	1.822	1.920	2.218	2.300	2.238
70	Fuel Costs Collected	Approved rates x Line 63	\$ 9,268,409	\$ 9,012,379	\$ 8,503,605	\$ 9,460,656	\$ 146,612,317
71	Fuel Benefits Given in DER NEM incentive		2,518	2,516	2,515	2,514	25,366
72	Adjusted Fuel Costs Collected	Line 70 + Line 71	\$ 9,270,927	\$ 9,014,896	\$ 8,506,120	\$ 9,463,170	\$ 146,637,684
73	Current Month (Over) / Under Recovered Balance	Line 68 - Line 72	\$ (205,731)	\$ 273,156	\$ 1,620,422	\$ 2,211,534	\$ 29,147,842
74	Prior Year Balance and Adjustments						11,518,345
75	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 73 + Line 74	\$ 36,561,075	\$ 36,834,231	\$ 38,454,653	\$ 40,666,187	\$ 40,666,187
76	SC Projected SC Retail Sales July 2022 - June 2023						6,160,838,814
77	SC Base Fuel Increment / (Decrement) Calculated Rate (¢/kWh)	Line 75 / Line 76 * 100					0.660

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD BASE FUEL COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATE JULY 2022 - JUNE 2023

Exhibit 3
DOCKET NO. 2022-1-E

Line No.	Description	Reference	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022
1	Coal		\$ 17,105,672	\$ 14,763,497	\$ 9,194,739	\$ 208,781	\$ 5,753,549	\$ 30,017,476
2	Gas		76,834,775	75,705,603	55,662,762	48,004,137	68,676,602	54,753,847
3	Nuclear Fuel		15,396,099	15,239,138	14,761,790	12,501,217	13,581,873	13,931,729
4	Purchased Power		53,114,503	49,227,842	46,928,927	49,398,902	31,136,001	29,745,498
5	Fuel Expense Recovered Through Intersystem Sales		(15,190,229)	(15,963,645)	(10,800,974)	(8,176,258)	(23,540,385)	(18,455,312)
6	Total Fuel Costs	Sum Lines 1:5	\$ 147,260,820	\$ 138,972,435	\$ 115,747,244	\$ 101,936,779	\$ 95,607,640	\$ 109,993,238
7	Eliminate Avoided Fuel Benefit of SC NEM		63,726	63,706	63,685	63,666	63,645	63,626
8	Adjusted System Fuel Costs	Line 6 + Line 7	\$ 147,324,546	\$ 139,036,141	\$ 115,810,929	\$ 102,000,445	\$ 95,671,285	\$ 110,056,864
9	Total Projected System Sales kWh (w/ solar)		6,055,361,624	6,096,828,896	5,435,413,824	4,553,572,892	4,421,630,277	5,035,815,300
10	Eliminate NEM Solar Generation kWh		2,838,468	2,837,561	2,836,654	2,835,777	2,834,872	2,833,995
11	Adjusted Projected System kWh Sales (w/o solar)	Line 9 + Line 10	6,058,200,092	6,099,666,457	5,438,250,478	4,556,408,669	4,424,465,149	5,038,649,295
12	System Cost per kWh (¢/kWh)	Line 8 / Line 11 * 100	2.432	2.279	2.130	2.239	2.162	2.184
13	Adjusted Projected SC Retail Sales (w/o solar)		580,435,478	595,857,042	551,129,544	476,376,737	460,058,581	493,086,909
14	Eliminate the NEM impact kWh	Line 10	2,838,468	2,837,561	2,836,654	2,835,777	2,834,872	2,833,995
15	Adjusted Projected SC Retail Sales kWh (w/o solar)	Line 13 + Line 14	583,273,946	598,694,603	553,966,198	479,212,515	462,893,452	495,920,905
16	SC Base Fuel Costs	Line 12 * Line 13 / 100	\$ 14,115,148	\$ 13,581,999	\$ 11,736,647	\$ 10,664,241	\$ 9,947,958	\$ 10,770,267
17	Assign 100% of Avoided Fuel Benefit of SC NEM	Line 7, opposite sign	(63,726)	(63,706)	(63,685)	(63,666)	(63,645)	(63,626)
18	Recognize Fuel Benefits Given in DER NEM incentive		(4,149)	(4,147)	(4,145)	(4,144)	(4,142)	(4,140)
19	Adjusted SC Base Fuel Costs	Sum Lines 16:18	\$ 14,047,273	\$ 13,514,146	\$ 11,668,816	\$ 10,596,431	\$ 9,880,171	\$ 10,702,501
20	Adjusted SC Cost per kWh (¢/kWh)	Line 19 / Line 15 * 100	2.408	2.257	2.106	2.211	2.134	2.158

Line No.	Description	Reference	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	Billing Period Twelve Months Ended June 2023
21	Coal		\$ 48,650,296	\$ 48,668,130	\$ 13,761,984	\$ 4,727,492	\$ 200,539	\$ 8,219,978	\$ 201,272,133
22	Gas		32,849,045	27,305,023	60,613,221	32,126,743	42,922,014	53,379,813	628,833,585
23	Nuclear Fuel		15,607,618	13,936,366	11,866,901	14,628,281	15,628,995	14,947,604	172,027,611
24	Purchased Power		36,685,040	35,644,595	34,438,953	48,879,709	43,889,226	48,211,958	507,301,154
25	Fuel Expense Recovered Through Intersystem Sales		(17,632,981)	(12,787,760)	(23,944,845)	(16,437,208)	(18,867,472)	(9,180,338)	(190,977,407)
26	Total Fuel Costs	Sum Lines 21:25	\$ 116,159,018	\$ 112,766,354	\$ 96,736,214	\$ 83,925,017	\$ 83,773,302	\$ 115,579,015	\$ 1,318,457,076
27	Eliminate Avoided Fuel Benefit of SC NEM		63,605	63,585	63,567	63,546	63,527	63,507	763,391
28	Adjusted System Fuel Costs	Line 26 + Line 27	\$ 116,222,623	\$ 112,829,939	\$ 96,799,781	\$ 83,988,563	\$ 83,836,829	\$ 115,642,522	\$ 1,319,220,467
29	Total Projected System Sales kWh (w/ solar)		5,544,723,098	5,576,536,040	4,872,844,227	4,529,860,962	4,463,304,887	5,235,460,665	61,821,352,692
30	Eliminate NEM Solar Generation kWh		2,833,090	2,832,186	2,831,369	2,830,465	2,829,590	2,828,687	34,002,714
31	Adjusted Projected System kWh Sales (w/o solar)	Line 29 + Line 30	5,547,556,188	5,579,368,226	4,875,675,596	4,532,691,427	4,466,134,477	5,238,289,352	61,855,355,406
32	System Cost per kWh (¢/kWh)	Line 28 / Line 31 * 100	2.095	2.022	1.985	1.853	1.877	2.208	2.133
33	Adjusted Projected SC Retail Sales (w/o solar)		527,210,012	565,836,589	496,304,770	484,875,890	457,673,123	505,996,853	6,194,841,528
34	Eliminate the NEM impact kWh	Line 30	2,833,090	2,832,186	2,831,369	2,830,465	2,829,590	2,828,687	
35	Adjusted Projected SC Retail Sales kWh (w/o solar)	Line 33 + Line 34	530,043,102	568,668,774	499,136,139	487,706,355	460,502,714	508,825,540	
36	SC Base Fuel Costs	Line 32 * Line 33/100	\$ 11,045,175	\$ 11,442,749	\$ 9,853,443	\$ 8,984,514	\$ 8,591,292	\$ 11,170,584	\$ 131,904,017
37	Assign 100% of Avoided Fuel Benefit of SC NEM	Line 27, opposite sign	(63,605)	(63,585)	(63,567)	(63,546)	(63,527)	(63,507)	(763,391)
38	Recognize Fuel Benefits Given in DER NEM incentive		(4,138)	(4,137)	(4,135)	(4,133)	(4,131)	(4,130)	(49,671)
39	Adjusted SC Base Fuel Costs	Sum Lines 36:38	\$ 10,977,432	\$ 11,375,027	\$ 9,785,742	\$ 8,916,834	\$ 8,523,633	\$ 11,102,948	\$ 131,090,955
40	Adjusted SC Cost per kWh (¢/kWh)	Line 39 / Line 35 * 100	2.071	2.000	1.961	1.828	1.851	2.182	
41	Projected SC Retail Sales	Exhibit 2 Page 3 Line 76							6,160,838,814
42	Adjusted SC System Cost per kWh (¢/kWh)	Line 39 / Line 41 * 100							2.128

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Line No.		Residential							
1	Summer 2021 Firm Coincident Peak (CP) kW	45.60%							
2	Summer 2020 Firm Coincident Peak (CP) kW	45.72%							
Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021	
3	Total Reagents	Monthly Fuel Filing	\$ 589,702	\$ 228,330	\$ 1,246,689	\$ 2,421,939	\$ 3,122,571	\$ 2,618,165	
4	Emission Allowances	Monthly Fuel Filing	2,380	322	133	1,524	2,287	2,919	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(28,753)	(24,612)	(66,640)	(187,779)	(271,046)	(228,024)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 563,329	\$ 204,040	\$ 1,180,182	\$ 2,235,684	\$ 2,853,812	\$ 2,393,060	
7	Total System Sales kWh	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.012	0.005	0.028	0.044	0.048	0.039	
9	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 58,201	\$ 21,610	\$ 117,342	\$ 221,279	\$ 263,764	\$ 242,865	
11	SC Residential Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 26,612	\$ 9,881	\$ 53,653	\$ 101,178	\$ 120,604	\$ 111,048	
12	SC Residential kWh Sales	Monthly Fuel Filing	177,893,777	139,155,828	119,584,141	155,060,668	191,412,779	200,497,499	
13	SC Residential Environmental Costs Incurred c/kwh	Line 11 / Line 12 * 100	0.015	0.007	0.045	0.065	0.063	0.055	
14	SC Residential Environmental Costs Billed c/kwh	2020-1-E, 2021-1-E	0.021	0.021	0.021	0.021	0.013	0.005	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12 / 100	\$ (10,494)	\$ (19,133)	\$ 28,726	\$ 68,853	\$ 94,903	\$ 101,086	
16	Prior Year Balance and Adjustments	2021-1-E	(289,820)			(123)			
17	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal+ Line 15 + Line 16	\$ (300,314)	\$ (319,447)	\$ (290,721)	\$ (221,991)	\$ (127,088)	\$ (26,002)	

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
18	Total Reagents	Monthly Fuel Filing	\$ 1,033,560	\$ 517,666	\$ 85,329	\$ 414,784	\$ 2,247,951	\$ 1,138,284	\$ 15,664,970
19	Emission Allowances	Monthly Fuel Filing	2,782	2,782	647	-	494	-	16,270
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(92,327)	(61,253)	(27,004)	(77,855)	(230,308)	(189,245)	(1,484,845)
21	Net Environmental Costs	Sum Lines 18:20	\$ 944,015	\$ 459,195	\$ 58,972	\$ 336,929	\$ 2,018,137	\$ 949,039	\$ 14,196,395
22	Total System Sales kWh	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.017	0.010	0.002	0.007	0.036	0.016	
24	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 88,916	\$ 47,099	\$ 4,652	\$ 30,630	\$ 168,347	\$ 104,260	\$ 1,368,965
26	SC Residential Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 40,656	\$ 21,535	\$ 2,127	\$ 14,005	\$ 76,760	\$ 47,539	\$ 625,599
27	SC Residential kWh Sales	Monthly Fuel Filing	193,502,319	136,113,691	127,295,382	187,962,174	206,110,894	230,603,919	2,065,193,071
28	SC Residential Environmental Costs Incurred c/kwh	Line 26 / Line 27 * 100	0.021	0.016	0.002	0.007	0.037	0.021	0.030
29	SC Residential Environmental Costs Billed c/kwh	2021-1-E	0.005	0.005	0.005	0.005	0.005	0.005	
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ 31,050	\$ 14,779	\$ (4,194)	\$ 4,668	\$ 66,523	\$ 36,084	\$ 412,851
31	Prior Year Balance and Adjustments								(289,943)
32	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 30 + Line 31	\$ 5,048	\$ 19,827	\$ 15,633	\$ 20,301	\$ 86,824	\$ 122,908	122,908

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 4
Page 2 of 6
DOCKET NO. 2022-1-E

Line No.		Residential						
1	Summer 2021 Firm Coincident Peak (CP) kW	45.60%						
2	Summer 2020 Firm Coincident Peak (CP) kW	45.72%						
Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022	
33	Total Reagents		\$ 445,358	\$ 656,672	\$ 133,398	\$ 557,008	\$ 17,457,406	
34	Emission Allowances		528	759	168	645	18,370	
35	Amounts Recovered in Off-System Sales		(5,531)	(23,159)	(8,003)	(11,902)	(1,533,440)	
36	Net Environmental Costs	Sum Lines 33:35	\$ 440,355	\$ 634,272	\$ 125,563	\$ 545,751	\$ 15,942,336	
37	Projected Total System Sales kWh	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624	
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.009	0.014	0.003	0.010		
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935	
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 44,755	\$ 67,669	\$ 12,832	\$ 52,635	\$ 1,546,855	
41	SC Residential Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 20,407	\$ 30,854	\$ 5,851	\$ 23,999	\$ 706,710	
42	Projected SC Residential kWh Sales		170,068,297	159,133,146	123,173,928	163,176,017	2,680,744,460	
43	SC Residential Environmental Costs Incurred ¢/kwh	Line 41 / Line 42 * 100	0.012	0.019	0.005	0.015		
44	SC Residential Environmental Costs Billed ¢/kwh	2021-1-E	0.005	0.005	0.005	0.005		
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ 11,903	\$ 22,898	\$ (308)	\$ 15,841	\$ 463,185	
46	Prior Year Balance and Adjustments	2021-1-E					(289,943)	
47	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ 134,811	\$ 157,709	\$ 157,401	\$ 173,242	173,242	
48	SC Projected SC Residential Sales July 2022 - June 2023						2,048,781,346	
49	SC Residential Environmental Increment / (Decrement) Calculated Rate (¢/kwh)	(Line 47 / Line 48 * 100)					0.008	

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 4
Page 3 of 6
DOCKET NO. 2022-1-E

Line No.	General Service (non-demand)								
1	Summer 2021 Firm Coincident Peak (CP) kW	7.02%							
2	Summer 2020 Firm Coincident Peak (CP) kW	6.32%							
Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021	
3	Total Reagents	Monthly Fuel Filing	\$ 589,702	\$ 228,330	\$ 1,246,689	\$ 2,421,939	\$ 3,122,571	\$ 2,618,165	
4	Emission Allowances	Monthly Fuel Filing	2,380	322	133	1,524	2,287	2,919	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(28,753)	(24,612)	(66,640)	(187,779)	(271,046)	(228,024)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 563,329	\$ 204,040	\$ 1,180,182	\$ 2,235,684	\$ 2,853,812	\$ 2,393,060	
7	Total System Sales kWh	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.012	0.005	0.028	0.044	0.048	0.039	
9	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 58,201	\$ 21,610	\$ 117,342	\$ 221,279	\$ 263,764	\$ 242,865	
SC General Service (non-demand) Environmental Cost Allocated by Firm CP									
11	CP	Line 10 * Line 2	\$ 3,681	\$ 1,367	\$ 7,421	\$ 13,995	\$ 16,682	\$ 15,360	
12	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	19,869,373	18,522,382	18,221,514	22,902,601	26,768,336	27,706,519	
13	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 11 / Line 12 * 100	0.019	0.007	0.041	0.061	0.062	0.055	
14	SC General Service (non-demand) Environmental Costs Billed c/kwh	2020-1-E, 2021-1-E	0.012	0.012	0.012	0.012	0.013	0.015	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12/ 100	\$ 1,297	\$ (856)	\$ 5,234	\$ 11,247	\$ 13,098	\$ 11,206	
16	Prior Year Balance and Adjustments	2021-1-E	(24,096)			(14)			
17	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 15 + Line 16	\$ (22,799)	\$ (23,655)	\$ (18,421)	\$ (7,188)	\$ 5,910	\$ 17,116	

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
18	Total Reagents	Monthly Fuel Filing	\$ 1,033,560	\$ 517,666	\$ 85,329	\$ 414,784	\$ 2,247,951	\$ 1,138,284	\$ 15,664,970
19	Emission Allowances	Monthly Fuel Filing	2,782	2,782	647	-	494	-	16,270
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(92,327)	(61,253)	(27,004)	(77,855)	(230,308)	(189,245)	(1,484,845)
21	Net Environmental Costs	Sum Lines 18:20	\$ 944,015	\$ 459,195	\$ 58,972	\$ 336,929	\$ 2,018,137	\$ 949,039	\$ 14,196,395
22	Total System Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.017	0.010	0.002	0.007	0.036	0.016	
24	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 88,916	\$ 47,099	\$ 4,652	\$ 30,630	\$ 168,347	\$ 104,260	\$ 1,368,965
SC General Service (non-demand) Environmental Cost Allocated by Firm CP									
26	CP	Line 25 * Line 2 (or Line 1)	\$ 5,624	\$ 2,979	\$ 294	\$ 1,937	\$ 11,815	\$ 7,317	\$ 88,473
27	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	28,260,804	21,472,281	16,982,493	23,356,172	21,119,237	25,019,626	270,201,338
28	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 26 / Line 27 * 100	0.020	0.014	0.002	0.008	0.056	0.029	0.033
29	SC General Service (non-demand) Environmental Costs Billed c/kwh	2021-1-E	0.015	0.015	0.015	0.015	0.015	0.015	
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ 1,385	\$ (242)	\$ (2,253)	\$ (1,566)	\$ 8,647	\$ 3,564	\$ 50,761
31	Prior Year Balance and Adjustments	2021-1-E							(24,110)
32	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 30+ Line 31	\$ 18,501	\$ 18,259	\$ 16,006	\$ 14,440	\$ 23,087	\$ 26,651	\$ 26,651

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 4
Page 4 of 6
DOCKET NO. 2022-1-E

Line No.		General Service (non-demand)
1	Summer 2021 Firm Coincident Peak (CP) kW	7.02%
2	Summer 2020 Firm Coincident Peak (CP) kW	6.32%

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
33	Total Reagents		\$ 445,358	\$ 656,672	\$ 133,398	\$ 557,008	\$ 17,457,406
34	Emission Allowances		528	759	168	645	18,370
35	Amounts Recovered in Off-System Sales		(5,531)	(23,159)	(8,003)	(11,902)	(1,533,440)
36	Net Environmental Costs	Sum Lines 33:35	\$ 440,355	\$ 634,272	\$ 125,563	\$ 545,751	\$ 15,942,336
37	Projected Total System Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
38	Environmental System Costs Incurred c/kwh	Line 36 / Line 37 * 100	0.009	0.014	0.003	0.010	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 44,755	\$ 67,669	\$ 12,832	\$ 52,635	\$ 1,546,855
41	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 3,141	\$ 4,749	\$ 901	\$ 3,694	\$ 100,958
42	Projected SC General Service (non-demand) kWh Sales		21,486,602	21,307,188	21,900,822	22,607,145	357,503,095
43	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 41 / Line 42 * 100	0.015	0.022	0.004	0.016	
44	SC General Service (non-demand) Environmental Costs Billed c/kwh	2021-1-E	0.015	0.015	0.015	0.015	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (82)	\$ 1,553	\$ (2,385)	\$ 303	\$ 50,150
46	Prior Year Balance and Adjustments	2021-1-E					(24,110)
47	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ 26,569	\$ 28,122	\$ 25,737	\$ 26,040	\$ 26,040
48	SC Projected General Service (non-demand) kWh Sales July 2022 - June 2023						272,126,622
49	SC General Service (non-demand) Environmental Increment / (Decrement) Calculated Rate (c/kwh)	(Line 47 / Line 48 * 100)					0.010

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 4
Page 5 of 6
DOCKET NO. 2022-1-E

Line No.	General Service (demand)								
1	Summer 2021 Firm Coincident Peak (CP) kWh	47.39%							
2	Summer 2020 Firm Coincident Peak (CP) kWh	47.95%							
Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021	
3	Total Reagents	Monthly Fuel Filing	\$ 589,702	\$ 228,330	\$ 1,246,689	\$ 2,421,939	\$ 3,122,571	\$ 2,618,165	
4	Emission Allowances	Monthly Fuel Filing	2,380	322	133	1,524	2,287	2,919	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(28,753)	(24,612)	(66,640)	(187,779)	(271,046)	(228,024)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 563,329	\$ 204,040	\$ 1,180,182	\$ 2,235,684	\$ 2,853,812	\$ 2,393,060	
7	Total System Sales kWh	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.012	0.005	0.028	0.044	0.048	0.039	
9	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 58,201	\$ 21,610	\$ 117,342	\$ 221,279	\$ 263,764	\$ 242,865	
11	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 27,908	\$ 10,362	\$ 56,267	\$ 106,106	\$ 126,478	\$ 116,457	
12	SC General Service (demand) kW Sales	Monthly Fuel Filing	679,322	621,079	615,684	629,829	645,047	678,615	
13	SC General Service (demand) Environmental Costs Incurred c / kW	Line 11 / Line 12 * 100	4	2	9	17	20	17	
14	SC General Service (demand) Environmental Costs Billed c / kW	2020-1-E, 2021-1-E	6	6	6	6	5	4	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12 / 100	\$ (12,852)	\$ (26,903)	\$ 19,326	\$ 68,142	\$ 93,484	\$ 89,229	
16	Prior Year Balance and Adjustments	2021-1-E	(34,958)			(109)			
17	Cumulative SC Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 15 + Line 16	\$ (47,810)	\$ (74,713)	\$ (55,387)	\$ 12,646	\$ 106,130	\$ 195,359	
Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
18	Total Reagents	Monthly Fuel Filing	\$ 1,033,560	\$ 517,666	\$ 85,329	\$ 414,784	\$ 2,247,951	\$ 1,138,284	\$ 15,664,970
19	Emission Allowances	Monthly Fuel Filing	2,782	2,782	647	-	494	-	16,270
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(92,327)	(61,253)	(27,004)	(77,855)	(230,308)	(189,245)	(1,484,845)
21	Net Environmental Costs	Sum Lines 18:20	\$ 944,015	\$ 459,195	\$ 58,972	\$ 336,929	\$ 2,018,137	\$ 949,039	\$ 14,196,395
22	Total System Sales kWh	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.017	0.010	0.002	0.007	0.036	0.016	
24	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 88,916	\$ 47,099	\$ 4,652	\$ 30,630	\$ 168,347	\$ 104,260	\$ 1,368,965
26	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 42,636	\$ 22,584	\$ 2,231	\$ 14,687	\$ 79,772	\$ 49,404	\$ 654,893
27	SC General Service (demand) kW Sales	Monthly Fuel Filing	656,337	632,492	301,258	487,070	588,993	860,288	7,396,013
28	SC General Service (demand) Environmental Costs Incurred c / kW	Line 26 / Line 27 * 100	6	4	1	3	14	6	9
29	SC General Service (demand) Environmental Costs Billed c / kW	2021-1-E	4	4	4	4	4	4	4
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ 16,392	\$ (2,715)	\$ (9,820)	\$ (4,798)	\$ 56,212	\$ 14,993	\$ 300,690
31	Prior Year Balance and Adjustments	2021-1-E							(35,067)
32	Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 30 + Line 31	\$ 211,751	\$ 209,036	\$ 199,216	\$ 194,418	\$ 250,630	\$ 265,623	\$ 265,623

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 4
Page 6 of 6
DOCKET NO. 2022-1-E

Line No.	General Service (demand)						
1	Summer 2021 Firm Coincident Peak (CP) kW	47.39%					
2	Summer 2020 Firm Coincident Peak (CP) kW	47.95%					

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
33	Total Reagents		\$ 445,358	\$ 656,672	\$ 133,398	\$ 557,008	\$ 17,457,406
34	Emission Allowances		528	759	168	645	18,370
35	Amounts Recovered in Off-System Sales		(5,531)	(23,159)	(8,003)	(11,902)	(1,533,440)
36	Net Environmental Costs	Sum Lines 33:35	\$ 440,355	\$ 634,272	\$ 125,563	\$ 545,751	\$ 15,942,336
37	Projected Total System Sales kWh	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.009	0.014	0.003	0.010	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 44,755	\$ 67,669	\$ 12,832	\$ 52,635	\$ 1,546,855
41	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 21,208	\$ 32,065	\$ 6,080	\$ 24,941	\$ 739,187
42	Projected SC General Service (demand) kW Sales		668,560	656,827	713,977	743,256	10,178,632
43	SC General Service (demand) Environmental Costs Incurred ¢ / kW	Line 41 / Line 42 * 100	3	5	1	3	
44	SC General Service (demand) Environmental Costs Billed ¢ / kW	2021-1-E	4	4	4	4	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (5,535)	\$ 5,792	\$ (22,479)	\$ (4,789)	\$ 273,679
46	Prior Year Balance and Adjustments	2021-1-E					(35,067)
47	Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ 260,088	\$ 265,880	\$ 243,401	\$ 238,612	\$ 238,612
48	SC Projected General Service (demand) kW Sales July 2022 - June 2023						9,010,723
49	SC General Service (demand) Environmental Increment / (Decrement) Calculated Rate (¢/kw)	(Line 47 / Line 48 * 100)					3

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD ENVIRONMENTAL COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2022 - JUNE 2023

Line No.	Class	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	448,208	45.60%
2	General Service (non-demand)	68,988	7.02%
3	General Service (demand)	465,798	47.39%
4	Lighting	0	0.00%
5	Total SC	982,994	100.00%

Line No.	Description	Reference	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022
6	Total Reagents		\$ 1,193,182	\$ 987,442	\$ 590,419	\$ 15,602	\$ 364,149	\$ 2,050,780
7	Emission Allowances		1,432	1,161	721	20	434	2,433
8	Estimated Amounts Recovered in Off-system Sales		(31,866)	(11,047)	(5,330)	(561)	(41,596)	(234,159)
9	Net Environmental Costs	Sum Lines 6:8	\$ 1,162,748	\$ 977,556	\$ 585,810	\$ 15,061	\$ 322,987	\$ 1,819,054
10	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 9	6,055,361,624	6,096,828,896	5,435,413,824	4,553,572,892	4,421,630,277	5,035,815,300
11	Environmental System Costs Incurred c/kWh	Line 9 / Line 10 * 100	0.019	0.016	0.011	0.000	0.007	0.036
12	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	577,597,010	593,019,481	548,292,889	473,540,960	457,223,709	490,252,914
13	SC Environmental Costs	Line 11 * Line 12 / 100	110,910	95,084	59,093	1,566	33,399	177,091

Line No.	Description	Reference	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	Billing Period Twelve Months Ended June 2023
14	Total Reagents		\$ 3,605,983	\$ 3,592,596	\$ 1,020,410	\$ 339,962	\$ 51,817	\$ 551,707	\$ 14,364,049
15	Emission Allowances		3,966	3,944	1,128	364	62	595	16,260
16	Estimated Amounts Recovered in Off-system Sales		(277,809)	(249,601)	(61,692)	(9,893)	(4,941)	(11,948)	(940,443)
17	Net Environmental Costs	Sum Lines 14:16	\$ 3,332,140	\$ 3,346,939	\$ 959,846	\$ 330,433	\$ 46,938	\$ 540,354	\$ 13,439,866
18	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 25	5,544,723,098	5,576,536,040	4,872,844,227	4,529,860,962	4,463,304,887	5,235,460,665	61,821,352,692
19	Environmental System Costs Incurred c/kWh	Line 17 / Line 18 *100	0.060	0.060	0.020	0.007	0.001	0.010	
20	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	524,376,921	563,004,403	493,473,401	482,045,426	454,843,533	503,168,166	6,160,838,814
21	SC Environmental Costs	Line 19 * Line 20 / 100	315,128	337,905	97,204	35,163	4,783	51,932	1,319,258
SC Environmental Costs Allocated on Firm CP kW									
22	Residential	Total Line 21 * Line 1							\$ 601,532
23	General Service (Non-demand)	Total Line 21 * Line 2							92,588
24	General Service (Demand)	Total Line 21 * Line 3							625,138
25	Lighting	Total Line 21 * Line 4							-
26	Total SC	Sum Lines 22:25							\$ 1,319,258
Projected SC Retail Sales kWh (July 2022 - June 2023)									
27	Residential	Exhibit 4 Page 2 Line 48							2,048,781,346
28	General Service (non-demand)	Exhibit 4 Page 4 Line 48							272,126,622
29	General Service (demand)								3,745,395,463
30	Lighting								94,535,382
31	Total SC	Sum Lines 27:30							6,160,838,814
Projected Average Environmental Fuel Cost c/kWh									
32	Residential	Line 22 / Line 27 * 100							0.029
33	General Service (non-demand)	Line 23 / Line 28 * 100							0.034
34	Lighting	Line 25 / Line 30 * 101							0.000

Projected Average Environmental Fuel Cost c/kW

SC Projected General Service (demand) kW Sales July									
35	2022 - June 2023	Exhibit 4 Page 6 Line 48							9,010,723
36	General Service (demand) (c/kW)	Line 24 / Line 35 * 100							7

Exhibit 6
DOCKET NO. 2022-1-E

**DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
REVENUE ADJUSTMENT FACTOR FOR RECD
FOR THE 12 MONTHS ENDED FEBRUARY 28, 2022**

Residential Adjustment Factor

1	Billed kWh (12ME 2/28/22)	Per Books	2,065,193,071	
2	Billed RECD kWh (12ME 2/28/22)	Per Books	<u>287,298,416</u>	(a)
3	RECD kWh Percent of Total Billed	Line 2 / Line 1	13.9115%	
4	RECD Discount	RECD Discount	<u>5%</u>	(b)
5	RECD Impact (Weighted Discount)	Line 3 X Line 4	0.6956%	

Notes:

(a) Energy billed and discounted pursuant to Residential Energy Conservation Discount, Rider RECD-2D.

(b) Five-percent discount provided under Residential Energy Conservation Discount, Rider RECD-2D.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Line No.		Residential						
1	Summer 2021 Firm Coincident Peak (CP) kW	45.60%						
2	Summer 2020 Firm Coincident Peak (CP) kW	45.72%						

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 4,073,058	\$ 6,068,568	\$ 7,701,937	\$ 5,684,381	\$ 16,289,389	\$ 10,577,582
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	12,796,278	12,951,054	12,873,719	12,774,596	12,006,123	12,132,261
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 16,869,336	\$ 19,019,622	\$ 20,575,656	\$ 18,458,977	\$ 28,295,512	\$ 22,709,843
6	Total System kWh Sales	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145
7	Capacity Related System Costs Incurred (¢/kWh)	Line 5 / Line 6 * 100	0.351	0.436	0.481	0.367	0.472	0.371
8	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,742,877	\$ 2,014,420	\$ 2,045,770	\$ 1,826,997	\$ 2,615,212	\$ 2,304,762
10	SC Residential Capacity Related Costs Allocated by Firm CP	Line 9 * Line 2	\$ 796,916	\$ 921,077	\$ 935,411	\$ 835,379	\$ 1,195,784	\$ 1,053,833
11	SC Residential kWh Sales	Monthly Fuel Filing	177,893,777	139,155,828	119,584,141	155,060,668	191,412,779	200,497,499
12	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 10 / Line 11 * 100	0.448	0.662	0.782	0.539	0.625	0.526
13	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2020-1-E, 2021-1-E	0.528	0.528	0.528	0.528	0.497	0.462
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ (143,103)	\$ 186,048	\$ 303,937	\$ 16,486	\$ 244,280	\$ 128,139
15	Prior Year Balance and Adjustments	2021-1-E	1,223,539			(2,416)		
16	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 1,080,436	\$ 1,266,484	\$ 1,570,421	\$ 1,584,491	\$ 1,828,771	\$ 1,956,910

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 11,311,110	\$ 8,872,563	\$ (453,596)	\$ 4,635,284	\$ 3,400,673	\$ 4,970,340	\$ 83,131,289
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,890,780	11,917,806	11,714,264	12,257,443	13,238,909	12,137,351	148,690,584
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 23,201,890	\$ 20,790,369	\$ 11,260,668	\$ 16,892,727	\$ 16,639,582	\$ 17,107,691	\$ 231,821,873
20	Total System kWh Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
21	Capacity Related System Costs Incurred (¢/kWh)	Line 19 / Line 20 * 100	0.411	0.455	0.331	0.373	0.295	0.283	
22	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,185,366	\$ 2,132,417	\$ 888,378	\$ 1,535,699	\$ 1,388,024	\$ 1,879,427	\$ 22,559,349
24	SC Residential Capacity Related Costs Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 999,240	\$ 975,030	\$ 406,203	702,185	632,887	\$ 856,948	\$ 10,310,891
25	SC Residential kWh Sales	Monthly Fuel Filing	193,502,319	136,113,691	127,295,382	187,962,174	206,110,894	230,603,919	2,065,193,071
26	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.516	0.716	0.319	0.374	0.307	0.372	
27	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2021-1-E	0.462	0.462	0.462	0.462	0.462	0.462	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 105,912	\$ 346,754	\$ (181,606)	\$ (166,093)	\$ (319,118)	\$ (208,294)	\$ 313,342
29	Prior Year Balance and Adjustments	2021-1-E							1,221,123
30	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 2,062,822	\$ 2,409,576	\$ 2,227,970	\$ 2,061,877	\$ 1,742,759	\$ 1,534,465	\$ 1,534,465

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 7
Page 2 of 6
DOCKET NO. 2022-1-E

Line No.		Residential						
1	Summer 2021 Firm Coincident Peak (CP) kW	45.60%						
2	Summer 2020 Firm Coincident Peak (CP) kW	45.72%						

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
31	PURPA Purchased Power Capacity Costs		\$ 5,667,190	\$ 6,366,688	\$ 6,763,634	\$ 6,694,813	\$ 108,623,614
32	Firm Natural Gas Transportation and Storage Costs		11,036,048	9,628,603	9,735,956	10,098,012	189,189,203
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 16,703,238	\$ 15,995,291	\$ 16,499,590	\$ 16,792,825	\$ 297,812,817
34	Projected Total System kWh Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.343	0.355	0.372	0.321	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,697,632	\$ 1,706,491	\$ 1,686,126	\$ 1,619,578	\$ 29,269,175
38	SC Residential Capacity Related Costs Allocated by Firm CP	Line 37 * Line 1	\$ 774,056	\$ 778,095	\$ 768,810	\$ 738,466	\$ 13,370,319
39	Projected SC Residential kWh Sales	Exhibit 4 Page 2 Line 42	170,068,297	159,133,146	123,173,928	163,176,017	2,680,744,460
40	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 38 / Line 39 * 100	0.455	0.489	0.624	0.453	
41	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2021-1-E	0.462	0.462	0.462	0.462	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 / 100	\$ (11,660)	\$ 42,900	\$ 199,746	\$ (15,407)	\$ 528,921
43	Prior Year Balance and Adjustments	2021-1-E					1,221,123
44	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 1,522,805	\$ 1,565,705	\$ 1,765,451	\$ 1,750,044	\$ 1,750,044
45	SC Projected SC Residential Sales July 2022 - June 2023	Exhibit 4 Page 2 Line 48					2,048,781,346
46	SC Projected Residential Capacity Related Increment / (Decrement) Calculated Rate (¢/kWh)	(Line 44 / Line 45 * 100)					0.085

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 7
Page 3 of 6
DOCKET NO. 2022-1-E

Line No.		General Service (non-demand)							
1	Summer 2021 Firm Coincident Peak (CP) kWhs	7.02%							
2	Summer 2020 Firm Coincident Peak (CP) kWhs	6.32%							
Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021	
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 4,073,058	\$ 6,068,568	\$ 7,701,937	\$ 5,684,381	\$ 16,289,389	\$ 10,577,582	
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	12,796,278	12,951,054	12,873,719	12,774,596	12,006,123	12,132,261	
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 16,869,336	\$ 19,019,622	\$ 20,575,656	\$ 18,458,977	\$ 28,295,512	\$ 22,709,843	
6	Total System kWh Sales	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145	
7	Capacity Related System Costs Incurred (¢/kWh)	Line 5 / Line 6 * 100	0.351	0.436	0.481	0.367	0.472	0.371	
8	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614	
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,742,877	\$ 2,014,420	\$ 2,045,770	\$ 1,826,997	\$ 2,615,212	\$ 2,304,762	
10	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 9 * Line 2	\$ 110,231	\$ 127,406	\$ 129,388	\$ 115,552	\$ 165,404	\$ 145,769	
11	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	19,869,373	18,522,382	18,221,514	22,902,601	26,768,336	27,706,519	
12	SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)	Line 10 / Line 11 * 100	0.555	0.688	0.710	0.505	0.618	0.526	
13	SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)	2020-1-E, 2021-1-E	0.358	0.358	0.358	0.358	0.461	0.580	
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ 39,099	\$ 61,096	\$ 64,155	\$ 33,561	\$ 42,063	\$ (14,819)	
15	Prior Year Balance and Adjustments	2021-1-E	181,264			(275)			
16	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 220,363	\$ 281,459	\$ 345,614	\$ 378,900	\$ 420,963	\$ 406,144	

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 11,311,110	\$ 8,872,563	\$ (453,596)	\$ 4,635,284	\$ 3,400,673	\$ 4,970,340	\$ 83,131,289
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,890,780	11,917,806	11,714,264	12,257,443	13,238,909	12,137,351	148,690,584
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 23,201,890	\$ 20,790,369	\$ 11,260,668	\$ 16,892,727	\$ 16,639,582	\$ 17,107,691	\$ 231,821,873
20	Total System kWh Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
21	Capacity Related System Costs Incurred (¢/kWh)	Line 19 / Line 20 * 100	0.411	0.455	0.331	0.373	0.295	0.283	
22	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,185,366	\$ 2,132,417	\$ 888,378	\$ 1,535,699	\$ 1,388,024	\$ 1,879,427	\$ 22,559,349
24	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 138,217	\$ 134,868	\$ 56,187	\$ 97,128	\$ 97,414	\$ 131,901	\$ 1,449,466
25	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	28,260,804	21,472,281	16,982,493	23,356,172	21,119,237	25,019,626	270,201,338
26	SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.489	0.628	0.331	0.416	0.461	0.527	0.536
27	SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)	2021-1-E	0.580	0.580	0.580	0.580	0.580	0.580	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ (25,696)	\$ 10,329	\$ (42,311)	\$ (38,338)	\$ (25,078)	\$ (13,213)	\$ 90,848
29	Prior Year Balance and Adjustments								180,989
30	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 380,448	\$ 390,777	\$ 348,466	\$ 310,128	\$ 285,050	\$ 271,837	\$ 271,837

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 7
Page 4 of 6
DOCKET NO. 2022-1-E

Line No.	General Service (non-demand)		Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
1	Summer 2021 Firm Coincident Peak (CP) kW	7.02%					
2	Summer 2020 Firm Coincident Peak (CP) kW	6.32%					
Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
31	PURPA Purchased Power Capacity Costs		\$ 5,667,190	\$ 6,366,688	\$ 6,763,634	\$ 6,694,813	\$ 108,623,614
32	Firm Natural Gas Transportation and Storage Costs		11,036,048	9,628,603	9,735,956	10,098,012	189,189,203
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 16,703,238	\$ 15,995,291	\$ 16,499,590	\$ 16,792,825	\$ 297,812,817
34	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.343	0.355	0.372	0.321	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,697,632	\$ 1,706,491	\$ 1,686,126	\$ 1,619,578	\$ 29,269,175
38	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 37 * Line 1	\$ 119,143	\$ 119,764	\$ 118,335	\$ 113,665	\$ 1,920,373
39	Projected SC General Service (non-demand) kWh Sales	Exhibit 4 Page 4 Line 42	21,486,602	21,307,188	21,900,822	22,607,145	357,503,095
40	SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)	Line 38 / Line 39 * 100	0.554	0.562	0.540	0.503	
41	SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)	2021-1-E	0.580	0.580	0.580	0.580	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ (5,480)	\$ (3,817)	\$ (8,689)	\$ (17,457)	\$ 55,405
43	Prior Year Balance and Adjustments						180,989
44	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 266,357	\$ 262,540	\$ 253,851	\$ 236,394	236,394
45	SC Projected General Service (non-demand) kWh Sales July 2022 - June 2023	Exhibit 4 Page 4 Line 48					272,126,622
46	SC Projected General Service (non-demand) Capacity Related Increment / (Decrement) Calculated Rate (¢/kWh)	(Line 44 / Line 45 * 100)					0.087

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Line No.		General Service (demand)
1	Summer 2021 Firm Coincident Peak (CP) kW	47.39%
2	Summer 2020 Firm Coincident Peak (CP) kW	47.95%

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 4,073,058	\$ 6,068,568	\$ 7,701,937	\$ 5,684,381	\$ 16,289,389	\$ 10,577,582
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	12,796,278	12,951,054	12,873,719	12,774,596	12,006,123	12,132,261
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 16,869,336	\$ 19,019,622	\$ 20,575,656	\$ 18,458,977	\$ 28,295,512	\$ 22,709,843
6	Total System kWh Sales	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145
7	Capacity Related System Costs Incurred (c/kWh)	Line 5 / Line 6 * 100	0.351	0.436	0.481	0.367	0.472	0.371
8	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,742,876.52	\$ 2,014,420	\$ 2,045,770	\$ 1,826,997	\$ 2,615,212	\$ 2,304,762
10	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 9 * Line 2	\$ 835,730	\$ 965,938	\$ 980,971	\$ 876,067	\$ 1,254,025	\$ 1,105,161
11	SC General Service (demand) kW Sales	Monthly Fuel Filing	679,322	621,079	615,684	629,829	645,047	678,615
12	SC General Service (demand) Capacity Related Costs Incurred (c/kW)	Line 10 / Line 11 * 100	123	156	159	139	194	163
13	SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	2020-1-E, 2021-1-E	108	108	108	109	130	157
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ 102,063	\$ 295,173	\$ 316,032	\$ 192,457	\$ 417,582	\$ 41,864
15	Prior Year Balance and Adjustments	2021-1-E	3,639,950			(2,151)		
16	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 3,742,013	\$ 4,037,186	\$ 4,353,218	\$ 4,543,524	\$ 4,961,106	\$ 5,002,970

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 11,311,110	\$ 8,872,563	\$ (453,596)	\$ 4,635,284	\$ 3,400,673	\$ 4,970,340	\$ 83,131,289
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,890,780	11,917,806	11,714,264	12,257,443	13,238,909	12,137,351	148,690,584
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 23,201,890	\$ 20,790,369	\$ 11,260,668	\$ 16,892,727	\$ 16,639,582	\$ 17,107,691	\$ 231,821,873
20	Total System kWh Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
21	Capacity Related System Costs Incurred (c/kWh)	Line 19 / Line 20 * 100	0.411	0.455	0.331	0.373	0.295	0.283	
22	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,185,366	\$ 2,132,417	\$ 888,378	\$ 1,535,699	\$ 1,388,024	\$ 1,879,427	\$ 22,559,349
24	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 1,047,909	\$ 1,022,519	\$ 425,988	\$ 736,386	\$ 657,723	\$ 890,578	\$ 10,798,993
25	SC General Service (demand) kW Sales	Monthly Fuel Filing	656,337	632,492	301,258	487,070	588,993	860,288	7,396,013
26	SC General Service (demand) Capacity Related Costs Incurred (c/kW)	Line 24 / Line 25 * 100	160	162	141	151	112	104	
27	SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	2021-1-E	157	157	157	157	157	157	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 17,297	\$ 29,535	\$ (46,987)	\$ (28,265)	\$ (266,995)	\$ (460,074)	\$ 609,682
29	Prior Year Balance and Adjustments	2021-1-E							3,637,799
30	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 5,020,267	\$ 5,049,802	\$ 5,002,815	\$ 4,974,550	\$ 4,707,555	\$ 4,247,481	\$ 4,247,481

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 7
Page 6 of 6
DOCKET NO. 2022-1-E

Line No.	General Service (demand)						
1	Summer 2021 Firm Coincident Peak (CP) kW	47.39%					
2	Summer 2020 Firm Coincident Peak (CP) kW	47.95%					

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
31	PURPA Purchased Power Capacity Costs		\$ 5,667,190	\$ 6,366,688	\$ 6,763,634	\$ 6,694,813	\$ 108,623,614
32	Firm Natural Gas Transportation and Storage Costs		11,036,048	9,628,603	9,735,956	10,098,012	189,189,203
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 16,703,238	\$ 15,995,291	\$ 16,499,590	\$ 16,792,825	\$ 297,812,817
34	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.343	0.355	0.372	0.321	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,697,632	\$ 1,706,491	\$ 1,686,126	\$ 1,619,578	\$ 29,269,176
38	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 37 * Line 1	\$ 804,433	\$ 808,631	\$ 798,981	\$ 767,447	\$ 13,978,484
39	Projected SC General Service (demand) kW Sales	Exhibit 4 Page 6 Line 42	668,560	656,827	713,977	743,256	10,178,632
40	SC General Service (demand) Capacity Related Costs Incurred (¢/kW)	Line 38 / Line 39 * 100	120	123	112	103	
41	SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)	2021-1-E	157	157	157	157	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ (245,206)	\$ (222,587)	\$ (321,963)	\$ (399,465)	\$ (579,539)
43	Prior Year Balance and Adjustments						3,637,799
44	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 4,002,275	\$ 3,779,688	\$ 3,457,725	\$ 3,058,260	\$ 3,058,260
45	SC Projected General Service (demand) kW Sales July 2022 - June 2023	Exhibit 4 Page 6 Line 48					9,010,723
46	SC General Service (demand) Environmental Capacity Related Increment / (Decrement) Calculated Rate (¢/kW)	(Line 44 / Line 45 * 100)					34

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED CAPACITY RELATED COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2022 - JUNE 2023

Exhibit 8
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	448,208	45.60%
2	General Service (non-demand)	68,988	7.02%
3	General Service (demand)	465,798	47.39%
4	Lighting	0	0.00%
5	Total SC	982,994	100.00%

Line No.	Description	Reference	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022
6	PURPA Purchased Power Capacity Costs		\$ 6,725,678	\$ 6,155,750	\$ 5,796,983	\$ 5,603,047	\$ 4,978,903	\$ 4,539,782
7	Firm Natural Gas Transportation and Storage Costs		10,078,325	10,203,359	9,842,798	10,081,464	10,285,762	11,397,102
8	Total Capacity Related Costs	Line 6 + Line 7	\$ 16,804,003	\$ 16,359,109	\$ 15,639,781	\$ 15,684,511	\$ 15,264,665	\$ 15,936,884
9	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 9	6,055,361,624	6,096,828,896	5,435,413,824	4,553,572,892	4,421,630,277	5,035,815,300
10	Capacity Related System Costs Incurred (¢/kwh)	Line 8 / Line 9 *100	0.278	0.268	0.288	0.344	0.345	0.316
11	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	577,597,010	593,019,481	548,292,889	473,540,960	457,223,709	490,252,914
12	SC Purchased Power Capacity Costs	Line 10 * Line 11 /100	\$ 1,602,867	\$ 1,591,199	\$ 1,577,650	\$ 1,631,084	\$ 1,578,460	\$ 1,551,507

Line No.	Description	Reference	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	Billing Period Twelve Months Ended June 2023
13	PURPA Purchased Power Capacity Costs		\$ 4,799,596	\$ 4,817,375	\$ 6,083,143	\$ 6,801,458	\$ 7,229,663	\$ 7,124,371	\$ 70,655,749
14	Firm Natural Gas Transportation and Storage Costs		10,655,317	10,264,112	10,854,763	9,962,347	10,163,447	10,026,581	123,815,377
15	Total Capacity Related Costs	Line 13 + Line 14	\$ 15,454,913	\$ 15,081,487	\$ 16,937,906	\$ 16,763,805	\$ 17,393,110	\$ 17,150,952	\$ 194,471,126
16	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 25	5,544,723,098	5,576,536,040	4,872,844,227	4,529,860,962	4,463,304,887	5,235,460,665	61,821,352,692
17	Capacity Related System Costs Incurred (¢/kwh)	Line 15 / Line 16 *100	0.279	0.270	0.348	0.370	0.390	0.328	
18	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	524,376,921	563,004,403	493,473,401	482,045,426	454,843,533	503,168,166	6,160,838,814
19	SC Purchased Power Capacity Costs	Line 17 * Line 18 /100	\$ 1,461,606	\$ 1,522,620	\$ 1,715,303	\$ 1,783,921	\$ 1,772,486	\$ 1,648,339	\$ 19,437,042

SC Capacity Related Costs Allocated on Firm CP kW's

20	Residential	Total Line 19 * Line 1							\$ 8,862,558
21	General Service (non-demand)	Total Line 19 * Line 2							1,364,125
22	General Service (demand)	Total Line 19 * Line 3							9,210,359
23	Lighting	Total Line 19 * Line 4							-
24	Total SC	Sum Lines 20:23							\$ 19,437,042

Projected SC Retail Sales kWh (July 2022 - June 2023)

25	Residential	Exhibit 4 Page 2 Line 48							2,048,781,346
26	General Service (non-demand)	Exhibit 4 Page 4 Line 48							272,126,622
27	General Service (demand)	Exhibit 5 Line 29							3,745,395,463
28	Lighting	Exhibit 5 Line 30							94,535,382
29	Total SC	Sum Lines 25:28							6,160,838,814

SC Capacity Related Costs ¢/kWh

30	Residential	Line 20 / Line 25 * 100							0.433
31	General Service (non-demand)	Line 21 / Line 26 * 100							0.501
32	Lighting	Line 23 / Line 28 * 100							0.000

SC Projected General Service (demand) kW Sales July 2022 -

33	June 2023	Exhibit 4 Page 6 Line 48							9,010,723
34	General Service Demand charge for Capacity Related Costs ¢/kW	Line 22 / Line 33 * 100							102

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 9
Page 1 of 2
DOCKET NO. 2022-1-E

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
DERP Incremental Costs								
1	Purchased Power Agreements	Monthly Fuel Filing	\$ 1,708	\$ 2,330	\$ 1,311	\$ 127	\$ 22,125	\$ 9,247
2	DER NEM Incentive	Monthly Fuel Filing	166,793	178,075	179,328	194,116	190,153	189,743
3	Solar Rebate Program - Amortization	Monthly Fuel Filing	50,290	50,415	51,401	51,401	51,412	51,499
4	Solar Rebate Program - Carrying Costs	Monthly Fuel Filing	39,393	39,208	39,469	39,665	39,400	39,176
5	Shared Solar Program	Monthly Fuel Filing	776	2,906	6,553	7,344	14,573	8,703
6	NEM Avoided Capacity Costs	Monthly Fuel Filing	405	407	421	449	458	505
7	NEM Meter Costs	Monthly Fuel Filing	10,161	11,493	11,308	11,935	11,896	11,935
8	General and Administrative Expenses	Monthly Fuel Filing	19,872	17,178	14,505	13,284	12,471	15,905
9	Interest on under-collection due to cap	Monthly Fuel Filing	27	31	31	37	58	43
10	Total DER Incremental Costs	Sum Lines 1-9	\$ 289,425	\$ 302,043	\$ 304,327	\$ 318,357	\$ 342,545	\$ 326,755
11	Revenue Collected	Monthly Fuel Filing	298,255	286,942	286,715	288,035	285,049	281,768
12	Current Month (Over) / Under Recovered Balance	Line 10 - Line 11	\$ (8,832)	\$ 15,101	\$ 17,613	\$ 30,322	\$ 57,496	\$ 44,987
13	Prior Year Balance and Adjustments	2021-1-E	173,595					
14	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance + Line 12 + Line 13	\$ 164,763	\$ 179,864	\$ 197,477	\$ 227,799	\$ 285,295	\$ 330,282

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
DERP Incremental Costs									
15	Purchased Power Agreements	Monthly Fuel Filing	\$ 11,482	\$ 5,970	\$ (6,506)	\$ 2,469	\$ 957	\$ 1,246	\$ 52,465
16	DER NEM Incentive	Monthly Fuel Filing	190,440	194,867	183,498	183,715	183,715	183,715	2,218,157
17	Solar Rebate Program - Amortization	Monthly Fuel Filing	51,614	51,614	51,565	51,630	51,630	51,334	615,805
18	Solar Rebate Program - Carrying Costs	Monthly Fuel Filing	39,000	38,783	38,821	38,578	38,336	38,165	467,994
19	Shared Solar Program	Monthly Fuel Filing	10,263	8,963	(7,218)	(4,179)	(301)	(184)	48,199
20	NEM Avoided Capacity Costs	Monthly Fuel Filing	545	558	533	534	516	516	5,847
21	NEM Meter Costs	Monthly Fuel Filing	12,037	12,183	11,570	11,580	11,580	11,580	139,256
22	General and Administrative Expenses	Monthly Fuel Filing	17,410	9,218	9,452	(9,744)	4,392	3,261	127,203
23	Interest on under-collection due to cap	Monthly Fuel Filing	50	46	53	43	58	34	511
24	Total DER Incremental Costs	Sum Lines 15-23	\$ 332,842	\$ 322,201	\$ 281,769	\$ 274,626	\$ 290,883	\$ 289,666	\$ 3,675,438
25	Revenue Collected	Monthly Fuel Filing	281,895	282,280	252,507	287,434	264,283	291,519	3,386,682
26	Current Month (Over) / Under Recovered Balance	Line 24 - Line 25	\$ 50,947	\$ 39,921	\$ 29,262	\$ (12,808)	\$ 26,600	\$ (1,853)	\$ 288,755
27	Prior Year Balance and Adjustments	2021-1-E						(39,889)	133,706
28	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance + Line 26 + Line 27	\$ 381,229	\$ 421,150	\$ 450,412	\$ 437,604	\$ 464,203	\$ 422,461	\$ 422,461

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 9
Page 2 of 2
DOCKET NO. 2022-1-E

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
<u>DERP Incremental Costs</u>							
29	Purchased Power Agreements	DERP Model Output	\$ 3,500	\$ 4,557	\$ 5,130	\$ 4,991	\$ 70,643
30	DER NEM Incentive	DERP Model Output	175,071	175,018	174,967	174,915	2,918,128
31	Solar Rebate Program - Amortization	DERP Model Output	51,630	51,630	51,630	51,630	822,326
32	Solar Rebate Program - Carrying Costs	DERP Model Output	37,787	37,512	37,238	36,964	617,495
33	Shared Solar Program	DERP Model Output	3,215	4,187	4,713	4,585	64,899
34	NEM Avoided Capacity Costs	DERP Model Output	474	474	474	474	7,745
35	NEM Meter Costs	DERP Model Output	12,406	12,406	12,406	12,406	188,881
36	General and Administrative Expenses	DERP Model Output	7,401	7,401	7,401	7,401	156,805
37	Interest on under-collection due to cap	Review Period Average	27	31	31	37	637
38	Total DER Incremental Costs	Sum Lines 29:37	\$ 291,511	\$ 293,217	\$ 293,991	\$ 293,403	\$ 4,847,559
39	Revenue Collected	No. of accts * approved rates	297,824	285,263	285,153	286,871	4,541,793
40	Current Month (Over) / Under Recovered Balance	Line 39 - Line 40	\$ (6,312)	\$ 7,954	\$ 8,838	\$ 6,532	\$ 305,767
41	Prior Year Balance and Adjustments	2021-1-E					133,706
42	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance +Line 40 + Line 41	\$ 416,149	\$ 424,103	\$ 432,941	\$ 439,473	\$ 439,473

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP INCREMENTAL COSTS (OVER) / UNDER RECOVERY
FOR THE PERIOD MARCH 2021 - JUNE 2022

Exhibit 10
DOCKET NO. 2022-1-E

<u>Line No.</u>			March 2021 through December 2021	January 2022 through June 2022		
1	Total DERP (Over) / Under Balance	Exhibit 9	\$ 437,604	1,869		
			Firm Peak Demand - 2020	March 2021 through December 2021	Cost Allocated per Firm Peak Demand	
2	Residential	2 Yrs Prior Peak	45.72%		\$ 200,091	
3	Commercial (General Service demand /non-demand)	2 Yrs Prior Peak	33.00%		144,406	
4	Industrial (General Service demand /non-demand)	2 Yrs Prior Peak	21.28%		93,107	
5	Total	Sum Lines 2:4	100.00%	437,604	\$ 437,604	
			Firm Peak Demand - 2021	January 2022 through June 2022	Cost Allocated per Firm Peak Demand	
6	Residential	1 Yr Prior Peak	45.60%		\$ 852	
7	Commercial (General Service demand /non-demand)	1 Yr Prior Peak	33.14%		619	
8	Industrial (General Service demand /non-demand)	1 Yr Prior Peak	21.27%		398	
9	Total	Sum Lines 6:8	100.00%	1,869	\$ 1,869	
			Total Cost Allocated per Firm Peak Demand	Projected Number of Accounts in Billing Period	\$ per Account per Year	\$ per Account per Month
10	Residential	Cost Line 2 + Cost Line 6	\$ 200,943	143,685	\$ 1.40	\$ 0.12
11	Commercial (General Service demand /non-demand)	Cost Line 3 + Cost Line 7	145,026	33,195	4.37	0.36
12	Industrial (General Service demand /non-demand)	Cost Line 4 + Cost Line 8	93,504	260	\$ 358.98	\$ 29.92
13	Total	Sum Lines 10:12	\$ 439,473	177,140		

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
PROJECTED BILLING PERIOD COSTS JULY 2022 - JUNE 2023

Exhibit 11
DOCKET NO. 2022-1-E

Line No.	Description	Reference	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022
DERP Incremental Costs								
1	Purchased Power Agreements	DERP Model Output	\$ 5,027	\$ 4,156	\$ 3,548	\$ 3,004	\$ 2,062	\$ 1,447
2	DER NEM Incentive	DERP Model Output	174,864	174,812	174,759	174,709	174,656	174,606
3	Solar Rebate Program - Amortization	DERP Model Output	51,630	51,630	51,630	51,630	51,630	51,630
4	Solar Rebate Program - Carrying Costs	DERP Model Output	36,690	36,415	36,141	35,867	35,592	35,318
5	Shared Solar Program	DERP Model Output	4,618	3,818	3,260	2,760	1,895	1,329
6	NEM Avoided Capacity Costs	DERP Model Output	474	474	474	474	474	474
7	NEM Meter Costs	DERP Model Output	12,406	12,406	12,406	12,406	12,406	12,406
8	General and Administrative Expenses	DERP Model Output	7,401	7,401	7,401	7,401	7,401	7,401
9	Interest on under-collection due to cap	Review Period Average	58	43	50	46	53	43
10	Total DER Incremental Costs	Sum Lines 1: 9	\$ 293,168	\$ 291,155	\$ 289,670	\$ 288,297	\$ 286,171	\$ 284,654

Line No.	Description	Reference	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	Billing Period Twelve Months Ended June 2023
DERP Incremental Costs									
11	Purchased Power Agreements	DERP Model Output	\$ 1,786	\$ 1,821	\$ 3,462	\$ 4,513	\$ 5,083	\$ 4,945	\$ 40,855
12	DER NEM Incentive	DERP Model Output	174,553	174,501	174,454	174,401	174,351	174,299	2,094,964
13	Solar Rebate Program - Amortization	DERP Model Output	51,630	51,630	51,630	51,630	51,630	51,630	619,562
14	Solar Rebate Program - Carrying Costs	DERP Model Output	35,181	34,907	34,632	34,358	34,084	33,809	422,994
15	Shared Solar Program	DERP Model Output	1,640	1,673	3,180	4,146	4,670	4,543	37,531
16	NEM Avoided Capacity Costs	DERP Model Output	474	474	474	474	474	474	5,694
17	NEM Meter Costs	DERP Model Output	12,406	12,406	12,406	12,406	12,406	12,406	148,874
18	General and Administrative Expenses	DERP Model Output	7,315	7,315	7,315	7,315	7,315	7,315	88,293
19	Interest on under-collection due to cap	Review Period Average	58	34	27	31	31	37	511
20	Total DER Incremental Costs	Sum Lines 11:19	\$ 285,044	\$ 284,762	\$ 287,580	\$ 289,276	\$ 290,045	\$ 289,459	\$ 3,459,278

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 13
Page 1 of 6
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2020 Firm Coincident Peak		Summer 2021 Firm Coincident Peak				
		(CP) KWs	CP %	(CP) KWs	CP %			
1	Residential	495,826	45.72%	448,208	45.60%			
2	General Service (non-demand)	68,584	6.32%	68,988	7.02%			
3	General Service (demand)	519,975	47.95%	465,798	47.39%			
4	Lighting	0	0.00%	0	0.00%			
5	Total SC	1,084,384	100.00%	982,994	100.00%			

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 53,039	\$ 120,444	\$ 183,804	\$ 160,616	\$ 88,630	\$ 128,215
7	Shared Solar Program	Monthly Fuel Filing	4,840	10,143	11,905	12,473	8,612	11,848
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 57,879	\$ 130,587	\$ 195,709	\$ 173,089	\$ 97,242	\$ 140,064
9	Total System kWh Sales	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9 * 100	0.001	0.003	0.005	0.003	0.002	0.002
11	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 5,980	\$ 13,831	\$ 19,459	\$ 17,132	\$ 8,988	\$ 14,215
13	SC Residential DER Avoided Costs Allocated by Firm CP	Line 12 * Line 1	\$ 2,734	\$ 6,324	\$ 8,897	\$ 7,833	\$ 4,110	\$ 6,500
14	SC Residential kWh Sales	Monthly Fuel Filing	177,893,777	139,155,828	119,584,141	155,060,668	191,412,779	200,497,499
15	SC Residential DERP Avoided Cost (¢/kWh)	Line 13 / Line 14 * 100	0.002	0.005	0.007	0.005	0.002	0.003
16	SC Residential Rate Billed (¢/kWh)	2020-1-E, 2021-1-E	0.002	0.002	0.002	0.002	0.002	0.003
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16) * Line 14 / 100	\$ (799)	\$ 3,561	\$ 6,523	\$ 4,754	\$ (579)	\$ 528
18	Prior Year Balance and Adjustments	2021-1-E	(15,562)			(14)		
19	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ (16,361)	\$ (12,800)	\$ (6,276)	\$ (1,536)	\$ (2,116)	\$ (1,588)

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,254	\$ 78,371	\$ 78,982	\$ 76,054	\$ 49,430	\$ 88,724	\$ 1,187,564
21	Shared Solar Program	Monthly Fuel Filing	8,520	9,363	5,564	5,697	2,628	6,097	97,690
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 89,774	\$ 87,734	\$ 84,546	\$ 81,751	\$ 52,058	\$ 94,821	\$ 1,285,254
23	Total System kWh Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
24	DERP Avoided System Costs (¢/kWh)	Line 22 / Line 23 * 100	0.002	0.002	0.002	0.002	0.001	0.002	0.002
25	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 8,456	\$ 8,999	\$ 6,670	\$ 7,432	\$ 4,343	\$ 10,417	\$ 125,919
27	SC Residential DER Avoided Costs Allocated by Firm CP	Line 26 * Line 1	\$ 3,866	\$ 4,115	\$ 3,050	\$ 3,398	\$ 1,980	\$ 4,750	\$ 57,557
28	SC Residential kWh Sales	Monthly Fuel Filing	193,502,319	136,113,691	127,295,382	187,962,174	206,110,894	230,603,919	2,065,193,071
29	SC Residential DERP Avoided Cost (¢/kWh)	Line 27 / Line 28 * 100	0.002	0.003	0.002	0.002	0.001	0.002	0.003
30	SC Residential Rate Billed (¢/kWh)	2021-1-E	0.003	0.003	0.003	0.003	0.003	0.003	0.003
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30) * Line 28 / 100	\$ (1,898)	\$ 62	\$ (743)	\$ (2,204)	\$ (4,162)	\$ (2,122)	\$ 2,921
32	Prior Year Balance and Adjustments	2021-1-E							(15,576)
33	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ (3,486)	\$ (3,424)	\$ (4,167)	\$ (6,371)	\$ (10,533)	\$ (12,655)	\$ (12,655)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 13
Page 2 of 6
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	448,208	45.60%
2	General Service (non-demand)	68,988	7.02%
3	General Service (demand)	465,798	47.39%
4	Lighting	0	0.00%
5	Total SC	982,994	100.00%

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
34	Purchased Power Agreements	DERP Model Output	\$ 104,824	\$ 119,349	\$ 152,396	\$ 125,754	\$ 1,689,888
35	Shared Solar Program	DERP Model Output	8,622	9,817	10,482	10,343	136,954
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 113,446	\$ 129,166	\$ 162,878	\$ 136,098	\$ 1,826,842
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37* 100	0.002	0.003	0.004	0.003	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
40	SC DERP Avoided Costs	Line 38 * Line 39/ 100	\$ 11,530	\$ 13,780	\$ 16,645	\$ 13,126	\$ 181,000
41	SC Residential DER Avoided Costs Allocated by Firm CP	Line 40 * Line 1	\$ 5,257	\$ 6,283	\$ 7,589	\$ 5,985	\$ 82,672
42	Projected SC Residential kWh Sales	Exhibit 4 Page 2 Line 42	170,068,297	159,133,146	123,173,928	163,176,017	2,680,744,460
43	SC Residential DERP Avoided Cost (¢/kWh)	Line 41 / Line 42 * 100	0.003	0.004	0.006	0.004	0.003
44	SC Residential Rate Billed (¢/kWh)	2021-1-E	0.003	0.003	0.003	0.003	0.003
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ 155	\$ 1,509	\$ 3,894	\$ 1,090	\$ 9,569
46	Prior Year Balance and Adjustments	2021-1-E					(15,576)
47	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ (12,500)	\$ (10,991)	\$ (7,097)	\$ (6,007)	\$ (6,007)
48	SC Projected SC Residential Sales July 2022 - June 2023	Exhibit 4 Page 2 Line 48					2,048,781,346
49	SC Residential DERP Avoided Costs Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					0.000

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 13
Page 3 of 6
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2020 Firm	CP %	Summer 2021 Firm	CP %
		Coincident Peak (CP) KWs		Coincident Peak (CP) KWs	
1	Residential	495,826	45.72%	448,208	45.60%
2	General Service (non-demand)	68,584	6.32%	68,988	7.02%
3	General Service (demand)	519,975	47.95%	465,798	47.39%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,084,385	100.00%	982,994	100.00%

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 53,039	\$ 120,444	\$ 183,804	\$ 160,616	\$ 88,630	\$ 128,215
7	Shared Solar Program	Monthly Fuel Filing	4,840	10,143	11,905	12,473	8,612	11,848
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 57,879	\$ 130,587	\$ 195,709	\$ 173,089	\$ 97,242	\$ 140,064
9	Total System kWh Sales	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9 * 100	0.001	0.003	0.005	0.003	0.002	0.002
11	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 5,980	\$ 13,831	\$ 19,459	\$ 17,132	\$ 8,988	\$ 14,215
13	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 2	\$ 378	\$ 875	\$ 1,231	\$ 1,084	\$ 568	\$ 899
14	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	19,869,373	18,522,382	18,221,514	22,902,601	26,768,336	27,706,519
15	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 13 / Line 14 * 100	0.002	0.005	0.007	0.005	0.002	0.003
16	SC General Service (non-demand) Rate Billed (¢/kWh)	2020-1-E, 2021-1-E	0.001	0.001	0.001	0.001	0.002	0.004
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 /100	\$ 180	\$ 690	\$ 1,049	\$ 855	\$ (71)	\$ (208)
18	Prior Year Balance and Adjustments	2021-1-E	509			(4)		
19	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ 689	\$ 1,379	\$ 2,428	\$ 3,278	\$ 3,208	\$ 3,000

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,254	\$ 78,371	\$ 78,982	\$ 76,054	\$ 49,430	\$ 88,724	\$ 1,187,564
21	Shared Solar Program	Monthly Fuel Filing	8,520	9,363	5,564	5,697	2,628	6,097	97,690
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 89,774	\$ 87,734	\$ 84,546	\$ 81,751	\$ 52,058	\$ 94,821	\$ 1,285,254
23	Total System kWh Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
24	DERP Avoided System Costs (¢/kWh)	Line 22 / Line 23 * 100	0.002	0.002	0.002	0.002	0.001	0.002	0.002
25	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 8,456	\$ 8,999	\$ 6,670	\$ 7,432	\$ 4,343	\$ 10,417	\$ 125,919
27	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 2	\$ 535	\$ 569	\$ 422	\$ 470	\$ 305	\$ 731	\$ 8,066
28	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	28,260,804	21,472,281	16,982,493	23,356,172	21,119,237	25,019,626	270,201,338
29	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 27 / Line 28 * 100	0.002	0.003	0.002	0.002	0.001	0.003	0.003
30	SC General Service (non-demand) Rate Billed (¢/kWh)	2021-1-E	0.004	0.004	0.004	0.004	0.004	0.004	0.004
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 /100	\$ (594)	\$ (290)	\$ (257)	\$ (464)	\$ (540)	\$ (270)	\$ 79
32	Prior Year Balance and Adjustments	2021-1-E							505
33	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ 2,405	\$ 2,116	\$ 1,858	\$ 1,394	\$ 854	\$ 584	\$ 584

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 13
Page 4 of 6
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	448,208	45.60%
2	General Service (non-demand)	68,988	7.02%
3	General Service (demand)	465,798	47.39%
4	Lighting	0	0.00%
5	Total SC	982,994	100.00%

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
34	Purchased Power Agreements	DERP Model Output	\$ 104,824	\$ 119,349	\$ 152,396	\$ 125,754	\$ 1,689,888
35	Shared Solar Program	DERP Model Output	8,622	9,817	10,482	10,343	136,954
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 113,446	\$ 129,166	\$ 162,878	\$ 136,098	\$ 1,826,842
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37* 100	0.002	0.003	0.004	0.003	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
40	SC DERP Avoided Costs	Line 38 * Line 39/ 100	\$ 11,530	\$ 13,780	\$ 16,645	\$ 13,126	\$ 181,000
41	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 2	\$ 809	\$ 967	\$ 1,168	\$ 921	\$ 11,932
42	Projected SC General Service (non-demand) kWh Sales	Exhibit 4 Page 4 Line 42	21,486,602	21,307,188	21,900,822	22,607,145	357,503,095
43	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 41 / Line 42 * 100	0.004	0.005	0.005	0.004	0.003
44	SC General Service (non-demand) Rate Billed (¢/kWh)	2021-1-E	0.004	0.004	0.004	0.004	0.004
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ (50)	\$ 115	\$ 292	\$ 17	\$ 453
46	Prior Year Balance and Adjustments	2021-1-E					505
47	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ 534	\$ 649	\$ 941	\$ 958	\$ 958
48	SC Projected General Service (non-demand) kWh Sales July 2022 - June 2023	Exhibit 4 Page 4 Line 48					272,126,622
49	SC General Service (non-demand) DERP Avoided Costs Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					0.000

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2021 - FEBRUARY 2022

Exhibit 13
Page 5 of 6
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2020 Firm Coincident Peak (CP) KWs	CP %	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	495,826	45.72%	448,208	45.60%
2	General Service (non-demand)	68,584	6.32%	68,988	7.02%
3	General Service (demand)	519,975	47.95%	465,798	47.39%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,084,385	100.00%	982,994	100.00%

Line No.	Description	Reference	Actual March 2021	Actual April 2021	Actual May 2021	Actual June 2021	Actual July 2021	Actual August 2021
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 53,039	\$ 120,444	\$ 183,804	\$ 160,616	\$ 88,630	\$ 128,215
7	Shared Solar Program	Monthly Fuel Filing	4,840	10,143	11,905	12,473	8,612	11,848
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 57,879	\$ 130,587	\$ 195,709	\$ 173,089	\$ 97,242	\$ 140,064
9	Total System kWh Sales	Monthly Fuel Filing	4,799,386,806	4,360,547,537	4,282,097,186	5,026,764,210	5,996,563,815	6,124,876,145
10	DERP Avoided System Costs (c/kWh)	Line 8 / Line 9 * 100	0.001	0.003	0.005	0.003	0.002	0.002
11	SC Retail Sales kWh	Monthly Fuel Filing	495,854,642	461,837,497	425,754,794	497,529,476	554,232,328	621,597,614
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 5,980	\$ 13,831	\$ 19,459	\$ 17,132	\$ 8,988	\$ 14,215
13	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 3	\$ 2,867	\$ 6,632	\$ 9,331	\$ 8,215	\$ 4,310	\$ 6,816
14	SC General Service (demand) kW Sales	Monthly Fuel Filing	679,322	621,079	615,684	629,829	645,047	678,615
15	SC General Service (demand) DERP Avoided Costs (c/kWh)	Line 13 / Line 14 * 100	0.422	1.068	1.515	1.304	0.668	1.004
16	SC General Service (demand) Rate Billed (c/kWh)	2020-1-E, 2021-1-E	2.000	2.000	2.000	2.011	1.558	1.006
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16) * Line 14 / 100	\$ (10,719)	\$ (5,790)	\$ (2,983)	\$ (4,450)	\$ (5,737)	\$ (12)
18	Prior Year Balance and Adjustments	2021-1-E	(4,256)			(11)		
19	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ (14,975)	\$ (20,765)	\$ (23,748)	\$ (28,209)	\$ (33,946)	\$ (33,958)

Line No.	Description	Reference	Actual September 2021	Actual October 2021	Actual November 2021	Actual December 2021	Actual January 2022	Actual February 2022	Review Period Twelve Months Ended February 2022
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,254	\$ 78,371	\$ 78,982	\$ 76,054	\$ 49,430	\$ 88,724	\$ 1,187,564
21	Shared Solar Program	Monthly Fuel Filing	8,520	9,363	5,564	5,697	2,628	6,097	97,690
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 89,774	\$ 87,734	\$ 84,546	\$ 81,751	\$ 52,058	\$ 94,821	\$ 1,285,254
23	Total System kWh Sales	Monthly Fuel Filing	5,647,527,373	4,572,964,372	3,404,937,874	4,523,690,821	5,647,761,932	6,054,697,632	60,441,815,702
24	DERP Avoided System Costs (c/kWh)	Line 22 / Line 23 * 100	0.002	0.002	0.002	0.002	0.001	0.002	
25	SC Retail Sales kWh	Monthly Fuel Filing	531,935,758	469,037,784	268,622,711	411,243,624	471,119,341	665,160,529	5,873,926,097
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 8,456	\$ 8,999	\$ 6,670	\$ 7,432	\$ 4,343	\$ 10,417	\$ 125,919
27	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 3	\$ 4,056	\$ 4,315	\$ 3,198	\$ 3,564	\$ 2,058	\$ 4,936	\$ 60,297
28	SC General Service (demand) kW Sales	Monthly Fuel Filing	656,337	632,492	301,258	487,070	588,993	860,288	7,396,013
29	SC General Service (demand) DERP Avoided Costs (c/kWh)	Line 27 / Line 28 * 100	0.618	0.682	1.062	0.732	0.349	0.574	0.82
30	SC General Service (demand) Rate Billed (c/kWh)	2021-1-E	0.999	1.000	1.000	1.000	1.000	1.000	
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30) * Line 28 / 100	\$ (2,503)	\$ (2,011)	\$ 186	\$ (1,308)	\$ (3,832)	\$ (3,667)	\$ (42,827)
32	Prior Year Balance and Adjustments	2021-1-E							(4,267)
33	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ (36,462)	\$ (38,472)	\$ (38,287)	\$ (39,595)	\$ (43,427)	\$ (47,094)	\$ (47,094)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2022 - JUNE 2022

Exhibit 13
Page 6 of 6
DOCKET NO. 2022-1-E

Line No.	Class	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	448,208	45.60%
2	General Service (non-demand)	68,988	7.02%
3	General Service (demand)	465,798	47.39%
4	Lighting	0	0.00%
5	Total SC	982,994	100.00%

Line No.	Description	Reference	Estimated March 2022	Estimated April 2022	Estimated May 2022	Estimated June 2022	Sixteen Months Ended June 2022
34	Purchased Power Agreements	DERP Model Output	\$ 104,824	\$ 119,349	\$ 152,396	\$ 125,754	\$ 1,689,888
35	Shared Solar Program	DERP Model Output	8,622	9,817	10,482	10,343	136,954
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 113,446	\$ 129,166	\$ 162,878	\$ 136,098	\$ 1,826,842
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,866,232,092	4,507,732,092	4,440,343,373	5,234,481,364	79,490,604,624
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37* 100	0.002	0.003	0.004	0.003	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	494,578,926	480,916,724	453,767,614	504,837,574	7,808,026,935
40	SC DERP Avoided Costs	Line 38 * Line 39/ 100	\$ 11,530	\$ 13,780	\$ 16,645	\$ 13,126	\$ 181,000
41	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 3	\$ 5,464	\$ 6,530	\$ 7,887	\$ 6,220	\$ 86,398
42	Projected SC General Service (demand) kW Sales	Exhibit 4 Page 6 Line 42	668,560	656,827	713,977	743,256	10,178,632
43	SC General Service (demand) DERP Avoided Costs (¢/kWh)	Line 41 / Line 42 * 100	0.817	0.994	1.105	0.837	0.849
44	SC General Service (demand) Rate Billed (¢/kWh)	2021-1-E	1	1	1	1	1
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ (1,222)	\$ (38)	\$ 747	\$ (1,213)	\$ (44,552)
46	Prior Year Balance and Adjustments	2021-1-E					(4,267)
47	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ (48,316)	\$ (48,354)	\$ (47,607)	\$ (48,819)	\$ (48,819)
48	SC Projected General Service (demand) kW Sales July 2022 - June 2023	Exhibit 4 Page 6 Line 48					9,010,723
49	SC General Service (demand) DERP Avoided Cost Increment / (Decrement) (¢/kW)	Line 47 / Line 48 * 100					(1)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2022 - JUNE 2023

Line No.	Class	Summer 2021 Firm Coincident Peak (CP) KWs	CP %
1	Residential	448,208	45.60%
2	General Service (non-demand)	68,988	7.02%
3	General Service (demand)	465,798	47.39%
4	Lighting	0	0.00%
5	Total SC	982,994	100.00%

Line No.	Description	Reference	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022
6	Purchased Power Agreements	DERP Model Output	\$ 126,273	\$ 114,309	\$ 105,737	\$ 98,197	\$ 85,199	\$ 76,848
7	Shared Solar Program	DERP Model Output	10,386	9,402	8,697	8,077	7,008	6,321
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 136,659	\$ 123,711	\$ 114,434	\$ 106,274	\$ 92,207	\$ 83,169
9	Projected Total System Sales	Exhibit 3 Line 9	6,055,361,624	6,096,828,896	5,435,413,824	4,553,572,892	4,421,630,277	5,035,815,300
10	DERP Avoided System Costs (¢/Kwh)	Line 8 / Line 9 *100	0.002	0.002	0.002	0.002	0.002	0.002
11	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	577,597,010	593,019,481	548,292,889	473,540,960	457,223,709	490,252,914
12	SC DERP Avoided Costs	Line 10 * Line 11 /100	\$ 13,035	\$ 12,033	\$ 11,543	\$ 11,052	\$ 9,535	\$ 8,097

Line No.	Description	Reference	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	Billing Period Twelve Months Ended June 2023
13	Purchased Power Agreements	DERP Model Output	\$ 81,346	\$ 81,864	\$ 104,302	\$ 118,754	\$ 151,761	\$ 125,127	\$ 1,269,717
14	Shared Solar Program	DERP Model Output	6,691	6,733	8,579	9,768	10,430	10,292	102,383
15	Total DERP Avoided Costs	Line 13 + Line 14	\$ 88,036	\$ 88,598	\$ 112,881	\$ 128,522	\$ 162,190	\$ 135,419	\$ 1,372,100
16	Projected Total System Sales	Exhibit 3 Line 25	5,544,723,098	5,576,536,040	4,872,844,227	4,529,860,962	4,463,304,887	5,235,460,665	61,821,352,692
17	DERP Avoided System Costs (¢/Kwh)	Line 15 / Line 16 *100	0.002	0.002	0.002	0.003	0.004	0.003	0.002
18	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	524,376,921	563,004,403	493,473,401	482,045,426	454,843,533	503,168,166	6,160,838,814
19	SC DERP Avoided Costs	Line 17 * Line 18 /100	\$ 8,326	\$ 8,945	\$ 11,431	\$ 13,677	\$ 16,528	\$ 13,015	\$ 137,217
SC DERP Avoided Costs Allocated on Firm CP kW's									
20	Residential	Total Line 19 * Line 1							\$ 62,566
21	General Service (non-demand)	Total Line 19 * Line 2							9,630
22	General Service (demand)	Total Line 19 * Line 3							65,021
23	Lighting	Total Line 19 * Line 4							-
24	Total SC	Sum Lines 20:23							\$ 137,217
Projected SC Retail Sales kWh (July 2022 - June 2023)									
25	Residential	Exhibit 4 Page 2 Line 48							2,048,781,346
26	General Service (non-demand)	Exhibit 4 Page 4 Line 48							272,126,622
27	General Service (demand)	Exhibit 5 Line 29							3,745,395,463
28	Lighting	Exhibit 5 Line 30							94,535,382
29	Total SC	Sum Lines 25:28							6,160,838,814
SC DERP Avoided Costs ¢/kWh									
30	Residential	Line 20 / Line 25 * 100							0.003
31	General Service (non-demand)	Line 21 / Line 26 * 100							0.004
32	Lighting	Line 23 / Line 28 * 100							0.000
33	Projected SC KW Sales (General Service demand)	Exhibit 4 Page 6 Line 48							9,010,723
34	General Service (Demand) charge for SC DERP Avoided Costs	Line 22 / Line 33 * 100							1